

Listing Program
Aplikasi Pengenalan Bahasa Bakumpai
Berbasis Android

SplashScreen.java

```
import java.io.IOException;
import android.app.Activity;
import android.content.Intent;
import android.content.res.Configuration;
import android.os.Bundle;
import android.os.Handler;
import android.widget.TextView;

publicclass SplashScreen extends Activity {
    TextView teks_intro;
    Handler handler = new Handler();
    DBKamusHelper db_kamus_helper;

    @Override
    publicvoid onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.splash_screen);
        db_kamus_helper = new DBKamusHelper(SplashScreen.this);
        teks_intro = (TextView) findViewById(R.id.intro);
        inisialisasiDatabase();
    }

    @Override
    publicvoid onConfigurationChanged(Configuration newConfig) {
        super.onConfigurationChanged(newConfig);
    }

    publicvoid inisialisasiDatabase() {
        new Thread(new Runnable() {
            @Override
            publicvoid run() {
                tunggu(1200);
                if (!db_kamus_helper.checkDataBase()) {
                    handler.post(new Runnable() { @Override
                    publicvoid run() {
                        teks_intro.setText("Menginstal Database ...");
                    }
                });
                try {
                    db_kamus_helper.createDataBase();
                }
                catch (IOException e) {
                    e.printStackTrace();
                }
            }
        });
    }
}
```

```
handler.post(new Runnable() {
@Override
public void run() {
    teks_intro.setText("Memulai ...");
    }
});
tunggu(800);
handler.post(new Runnable() {
@Override
public void run() {
// TODO Auto-generated method stub
Intent pindah = new Intent(SplashScreen.this,
MenuUtama.class);
SplashScreen.this.startActivity(pindah);
SplashScreen.this.finish();
    }
});
}

public void tunggu(int milis) {
    try{
        Thread.sleep(milis);
    }catch (InterruptedException ie){
        ie.printStackTrace();
    }
}
}).start();
}
}
```

MenuUtama.Java

```
import android.app.Activity;
import android.app.AlertDialog;
import android.content.Intent;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.view.View;
import android.view.ViewGroup;

public class MenuUtama extends Activity {
    private AlertDialog.Builder builder;
    private AlertDialog tentangAplikasi;
    protected void onCreate(Bundle paramBundle) {
        super.onCreate(paramBundle); setContentView(R.layout.menu_utama);
        LayoutInflater inflater = (LayoutInflater)
        this.getSystemService(LAYOUT_INFLATER_SERVICE);
        View layout = inflater.inflate(R.layout.tentang_aplikasi,
        (ViewGroup) findViewById(R.id.layout_root));
        builder = new AlertDialog.Builder(this)
            .setView(layout)
            .setTitle("Tentang Aplikasi")
            .setNeutralButton("OK", null);
        tentangAplikasi = builder.create();
    }

    public boolean onCreateOptionsMenu(Menu menu) {
        MenuInflater inflater = getMenuInflater();
        inflater.inflate(R.menu.option_menu, menu);
        return true;
    }

    public void pilihMenu(View paramView) {
        if (paramView.getId() == R.id.tentang_bahasa_bakumpai) {
            startActivity(new Intent(this, Materi.class));
        }
        else if (paramView.getId() == R.id.terjemahan_kata) {
            startActivity(new Intent(this, Pencarian.class));
        }
        else if (paramView.getId() == R.id.kosakata_dasar) {
            startActivity(new Intent(this, KosakataDasar.class));
        }
        else if (paramView.getId() == R.id.latihan) {
            startActivity(new Intent(this, Latihan.class));
        }
    }
}
```

```
public boolean onOptionsItemSelected(MenuItem item) {
    switch (item.getItemId()) {
        case R.id.tentang:
            tentangAplikasi.show();
            return true;
        case R.id.keluar:
            finish();
            return true;
        default:
            return super.onOptionsItemSelected(item);
    }
}
```

Materi.java

```
import android.app.ListActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.ListView;

public class Materi extends ListActivity {

    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        String[] menu = new String[] { "Sejarah", "Tata Bahasa", "Pantun dan Peribahasa" };
        this.setAdapter(new
        ArrayAdapter<String>(this, android.R.layout.simple_list_item_1, menu));
    }

    protected void onItemClick (ListView l, View v, int position, long id) {
        super.onItemClick(l, v, position, id);
        Object o = this.getAdapter().getItem(position);
        String pilihan = o.toString();
        tampilkanPilihan(pilihan);
    }

    protected void tampilkanPilihan(String pilihan) {
        try
        {
            Intent pindah = null;
            if (pilihan.equals("Sejarah")) {
                pindah = new Intent(this, Sejarah.class);
            }
            elseif (pilihan.equals("Tata Bahasa")) {
                pindah = new Intent(this, TataBahasa.class);
            }
            elseif (pilihan.equals("Pantun dan Peribahasa")) {
                pindah = new Intent(this, PantunPeribahasa.class);
            }

            startActivity(pindah);
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```

Sejarah.java

```
import android.app.Activity;
import android.app.ProgressDialog;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.content.Intent;

publicclass Sejarah extends Activity {

    private ProgressDialog pDialog;
    private Button lbButton;
    private Button wpButton;
    private Button vdButton;
    private Button pkButton;
    private Button tsButton;

    privatevoid showLatarBelakang()
    {
        this.pDialog = ProgressDialog.show(this, "", "Membuka..."); new
Thread()
        {
            publicvoid run()
            {
                Intent localIntent = new Intent(Sejarah.this,
DetailMateriActivity.class);
                localIntent.putExtra("namfile", "latar_belakang");
                localIntent.putExtra("judul", "Latar Belakang");
                Sejarah.this.startActivity(localIntent);
                Sejarah.this.pDialog.dismiss();
            }
        }
        .start();
    }

    privatevoid showWilayahPemakaian()
    {
        this.pDialog = ProgressDialog.show(this, "", "Membuka...");
        new Thread()
        {
            publicvoid run()
            {
                Intent localIntent = new Intent(Sejarah.this,
DetailMateriActivity.class);
                localIntent.putExtra("namfile", "wilayah_pemakaian");
                localIntent.putExtra("judul", "Wilayah Pemakaian");
                Sejarah.this.startActivity(localIntent);
                Sejarah.this.pDialog.dismiss();
            }
        }
        .start();
    }
}
```

```

private void showVariasiDialek()
{
    this.pDialog = ProgressDialog.show(this, "", "Membuka...");
    new Thread()
    {
        public void run()
        {
            Intent localIntent = new Intent(Sejarah.this,
DetailMateriActivity.class);
            localIntent.putExtra("namfile", "variasi_dialek");
            localIntent.putExtra("judul", "Variasi Dialek");
            Sejarah.this.startActivity(localIntent);
            Sejarah.this.pDialog.dismiss();
        }
    }
    .start();
}

private void showPeranKedudukan()
{
    this.pDialog = ProgressDialog.show(this, "", "Membuka...");
    new Thread()
    {
        public void run()
        {
            Intent localIntent = new Intent(Sejarah.this,
DetailMateriActivity.class);
            localIntent.putExtra("namfile", "peran_kedudukan");
            localIntent.putExtra("judul", "Peran dan Kedudukan");
            Sejarah.this.startActivity(localIntent);
            Sejarah.this.pDialog.dismiss();
        }
    }
    .start();
}

private void showTradisiSastra()
{
    this.pDialog = ProgressDialog.show(this, "", "Membuka...");
    new Thread()
    {
        public void run()
        {
            Intent localIntent = new Intent(Sejarah.this,
DetailMateriActivity.class);
            localIntent.putExtra("namfile", "tradisi_sastra");
            localIntent.putExtra("judul", "Tradisi Sastra");
            Sejarah.this.startActivity(localIntent);
            Sejarah.this.pDialog.dismiss();
        }
    }
    .start();
}

```

```

@Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.sejarah);

        lbButton = (Button) this.findViewById(R.id.lb);
        lbButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                TampilkanSejarah(1);
            }

        });

        wpButton = (Button) this.findViewById(R.id.wp);
        wpButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                TampilkanSejarah(2);
            }

        });

        vdButton = (Button) this.findViewById(R.id.vd);
        vdButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                TampilkanSejarah(3);
            }

        });

        pkButton = (Button) this.findViewById(R.id.pk);
        pkButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                TampilkanSejarah(4);
            }

        });

        tsButton = (Button) this.findViewById(R.id.ts);
        tsButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                TampilkanSejarah(5);
            }

        });
    }
}

```



```
private void TampilkanSejarah(int arg) {  
    if (arg == 1) {  
        this.showLatarBelakang();  
    } else if (arg == 2) {  
        this.showWilayahPemakaian();  
    } else if (arg == 3) {  
        this.showVariasiDialek();  
    } else if (arg == 4) {  
        this.showPeranKedudukan();  
    } else if (arg == 5) {  
        this.showTradisiSastra();  
    }  
}  
}
```

DetailMateriActivity.java

```
import android.app.Activity;
import android.os.Bundle;
import android.webkit.WebSettings;
import android.webkit.WebView;

public class DetailMateriActivity extends Activity
{
    protected void onCreate(Bundle paramBundle) {

        super.onCreate(paramBundle);
        setContentView(R.layout.activity_detailmateri);

        String str = "";
        Bundle localBundle = getIntent().getExtras();

        if (localBundle != null) {
            str = localBundle.getString("namfile");
            setTitle(localBundle.getString("judul"));
            WebView localWebView = (WebView) findViewById(R.id.webViewId);
            localWebView.getSettings().setBuiltInZoomControls(true);
            localWebView.getSettings().setDefaultZoom(WebSettings.ZoomDensity.MEDIUM);
            localWebView.loadUrl("file:///android_asset/" + str + ".html");
        }
    }
}
```

Pencarian.java

```
import java.util.ArrayList;
import android.app.ListActivity;
import android.content.Intent;
import android.content.SharedPreferences;
import android.database.Cursor;
import android.database.SQLException;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.os.Handler;
import android.preference.PreferenceManager;
import android.view.KeyEvent;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.EditText;
import android.widget.ListView;
import android.widget.AdapterView.OnItemClickListener;

public class Pencarian extends ListActivity {

    final static int allKamus = 1;
    final String tidak_ketemu = "Kata Tidak Ditemukan.";
    EditText form_input;
    ListView hasil;
    View loading;
    ArrayList<String> list_hasil = new ArrayList<String>();
    ArrayAdapter<String> adapter;
    AdapterView.OnItemClickListener penerjemah;
    Handler handler = new Handler();
    Thread pencarian;
    Intent terjemahan_dialog;
    private String batas_pencarian;
    private int kamus;
    private SQLiteDatabase db = null;
    private Cursor kamusCursor = null;
    private DBKamusHelper db_kamus_helper;

    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.pencarian);

        this.inisialisasiUI();
        db_kamus_helper = new DBKamusHelper(this);
        try {
            db_kamus_helper.openDataBase();
            db = db_kamus_helper.getReadableDatabase();
        } catch (SQLException sqle) {
            throw sqle;
        }
    }
}
```

```

@Override
    public void onStart() {
        super.onStart();
        getSetting();
    }
    @Override
    public void onResume() {
        super.onResume();
        getSetting();
    }
    private void getSetting() {
        // TODO Auto-generated method stub
        SharedPreferences prefs =
PreferenceManager.getDefaultSharedPreferences(getBaseContext());
        batas_pencarian = prefs.getString("batas_pencarian", "15");
    }
    protected void inisialisasiUI() {
        form_input = (EditText) findViewById(R.id.text);
        hasil = (ListView) findViewById(android.R.id.list);
loading = findViewById(R.id.loadinglayer);

adapter=new ArrayAdapter<String>(this, R.layout.list_item, list_hasil);
        setListAdapter(adapter);
        thread_pencarian();
form_input.setOnKeyListener(new View.OnKeyListener() {

            @Override
            public boolean onKeyDown(View arg0, int arg1, KeyEvent key) {
                // TODO Auto-generated method stub
                if (key.getAction()==KeyEvent.ACTION_UP) {
                    if (!pencarian.isAlive()) {
                        thread_pencarian();
                        pencarian.start();
                    }
                }
                return false;
            }

        });
penerjemah = new OnItemClickListener() {
    public void onItemClick(AdapterView<?> parent, View view, int
position, long id) {
        String text = hasil.getItemAtPosition(position).toString();
        if (!text.equalsIgnoreCase(tidak_ketemu))
            terjemahan(text);
    }
};
hasil.setOnItemClickListener(penerjemah);

    }

```

```

public void thread_pencarian() {
    pencarian = null;
    pencarian = new Thread(new Runnable() {
        String last, current;

        @Override
        public void run() {
            handler.post(new Runnable() {
                @Override
                public void run() {
                    loading.setVisibility(View.VISIBLE);
                    adapter.clear();
                }
            });
            last = form_input.getText().toString();
            cari(last);
            current = form_input.getText().toString();
            if (!last.equalsIgnoreCase(current))
                run();
            else {
                handler.post(new Runnable() {
                    @Override
                    public void run() {
                        adapter.notifyDataSetChanged();
                        loading.setVisibility(View.INVISIBLE);
                    }
                });
                return;
            }
        }
    });
}

protected void cari(String text) {
    // TODO Auto-generated method stub
    list_hasil.clear();
    if (text.length() > 0) {
        String query;
        switch (kamus) {
            default:
            case allKamus:
                query = "SELECT ind as word FROM indonesia where word
LIKE '"+text.replace("'", "''")+"' UNION SELECT bak as word FROM bakumpai
where word LIKE '"+text.replace("'", "''")+"' ORDER BY word LIMIT
"+batas_pencarian;
                break;
        }
        kamusCursor = db.rawQuery(query, null);
        if (kamusCursor.moveToFirst()) {
            list_hasil.add(kamusCursor.getString(0));
            while (!kamusCursor.isLast()) {
                kamusCursor.moveToNext();
                list_hasil.add(kamusCursor.getString(0));
            }
        } else {
            list_hasil.add(tidak_ketemu);
        }
    }
}

protected void terjemahan(String text) {
    terjemahan_dialog = new Intent().setClass(this, Terjemahan.class);
    terjemahan_dialog.putExtra("TEXT", text);
    startActivity(terjemahan_dialog);
}
}

```

Terjemahan.java

```
import android.app.Activity;
import android.os.Bundle;
import android.preference.PreferenceManager;
import android.view.View;
import android.widget.Button;
import android.content.SharedPreferences;
import android.database.Cursor;
import android.database.SQLException;
import android.database.sqlite.SQLiteDatabase;
import android.graphics.Color;
import android.util.TypedValue;
import android.view.Window;
import android.view.WindowManager.LayoutParams;
import android.widget.TextView;
import android.widget.Toast;

publicclass Terjemahan extends Activity{

    finalstaticintallKamus = 1;
    privateintkamus;
    private String text;
    private SQLiteDatabase db = null;
    private Cursor kamusCursor = null;
    private DBKamusHelper db_kamus_helper;
privatefloatukuran_font;
    TextView judul, isi;
    Button keluar;

    @Override
        publicvoid onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);

            this.getIntentParameter();
            db_kamus_helper = new DBKamusHelper(this);
            try {
                db_kamus_helper.openDataBase();
                db = db_kamus_helper.getReadableDatabase();           }catch(SQLException
sqlle){
                throw sqlle;
            }
            if (cekHasil())
                this.inisialisasiUI();
            }

            privatevoid getIntentParameter() {
                // TODO Auto-generated method stub
                text =
            this.getIntent().getExtras().getString("TEXT");
            }
}
```

```

private boolean cekHasil() {
    // TODO Auto-generated method stub
    String query;
    switch (kamus) {
        default: //
            case allKamus:
                query = "SELECT bak as word FROM indonesia where
lower(ind)=lower('"+text.replace("'", "'')+ "') UNION SELECT ind as word
FROM bakumpai where lower(bak)=lower('"+text.replace("'", "'')+ "') LIMIT
1";

                break;

            }
        kamusCursor = db.rawQuery(query, null);
        if (!kamusCursor.moveToFirst()) {
            Toast.makeText(this, "kata '"+text+"' Tidak Ditemukan",
Toast.LENGTH_SHORT).show();
            this.finish();
            return false;
        } else
            return true;
    }

private void inisialisasiUI() {
    // TODO Auto-generated method stub
    this.requestWindowFeature(Window.FEATURE_NO_TITLE);
    this.setContentView(R.layout.translate_reader);
    this.getWindow().setLayout(LayoutParams.WRAP_CONTENT,
LayoutParams.WRAP_CONTENT);
    judul = (TextView) findViewById(R.id.judul);
    isi = (TextView) findViewById(R.id.isi);
    keluar = (Button) findViewById(R.id.keluar);
    keluar.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
            Terjemahan.this.finish();
        }
    });

@Override
public void onStart() {
    super.onStart();
    SharedPreferences prefs =
PreferenceManager.getDefaultSharedPreferences(getBaseContext());

    ukuran_font = Float.parseFloat(prefs.getString("ukuran_font",
"18"));
    judul.setText(text);
    isi.setTextSize(TypedValue.COMPLEX_UNIT_SP, ukuran_font);
    isi.setText(kamusCursor.getString(0));
    isi.setTextColor(Color.rgb(0x44, 0x44, 0xBB));
}

}

```

DBKamusHelper.java

```
import java.io.FileOutputStream;
import java.io.IOException;
import java.io.InputStream;
import java.io.OutputStream;
import android.content.Context;
import android.database.SQLException;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteException;
import android.database.sqlite.SQLiteOpenHelper;

public class DBKamusHelper extends SQLiteOpenHelper {
    private static String DB_PATH =
        "/data/data/s4g3jali.pengenalanbahasabakumpai/databases/";
    private static String DB_NAME = "kamusbakumpai.sqlite";
    private SQLiteDatabase myDataBase;
    private final Context myContext;

    public DBKamusHelper(Context context) {
        super(context, DB_NAME, null, 1);
        this.myContext = context;
    }

    public void createDataBase() throws IOException {
        boolean dbExist = checkDataBase();
        if (dbExist) {
        } else {
            this.getReadableDatabase();

            try {
                copyDataBase();
            } catch (IOException e) {

                throw new Error("Error copying database");
            }
        }
    }

    public boolean checkDataBase() {
        SQLiteDatabase checkDB = null;
        try {
            String myPath = DB_PATH + DB_NAME;
            checkDB = SQLiteDatabase.openDatabase(myPath, null,
                SQLiteDatabase.OPEN_READONLY);
        } catch (SQLiteException e) {
        }
        if (checkDB != null) {
            checkDB.close();
        }
        return checkDB != null ? true : false;
    }

    private void copyDataBase() throws IOException {
        InputStream myInput = myContext.getAssets().open(DB_NAME);
        String outFileName = DB_PATH + DB_NAME;
        OutputStream myOutput = new FileOutputStream(outFileName);
        byte[] buffer = new byte[1024];
        int length;
        while ((length = myInput.read(buffer)) > 0) {
            myOutput.write(buffer, 0, length);
        }
        myOutput.flush();
        myOutput.close();
        myInput.close();
    }
}
```



```
public void openDataBase() throws SQLException{
    String myPath = DB_PATH + DB_NAME;    myDataBase =
    SQLiteDatabase.openDatabase(myPath, null, SQLiteDatabase.OPEN_READONLY);

    }

@Override
    public synchronized void close() {
        if(myDataBase != null)
            myDataBase.close();
        super.close();

    }

@Override
    public void onCreate(SQLiteDatabase db) {

    }

@Override
    public void onUpgrade(SQLiteDatabase db, int oldVersion, int
newVersion) {

    }

}
```

KosakataDasar.java

```
import android.app.ListActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.ListView;

public class KosakataDasar extends ListActivity{
    @Override
    public void onCreate(Bundle savedInstanceState){
        super.onCreate(savedInstanceState);
        String[] menu=new String[]{"Kata Ganti Orang","Penunjuk Tempat",
        "Kata Tanya", "Penunjuk Jumlah", "Bilangan",
        "Ukuran", "Hewan", "Tanaman atau Buah", "Bagian Badan",
        "Warna", "Periode Waktu", "Keadaan", "Kekerabatan",
        "Perangai"};
        this.setAdapter(new
        ArrayAdapter<String>(this, android.R.layout.simple_list_item_1, menu));
        protected void onItemClick (ListView l, View v, int position, long id){
            super.onItemClick(l, v, position, id);
            Object o=this.getListAdapter().getItem(position);
            String pilihan=o.toString();    tampilkanPilihan(pilihan);
        }
        protected void tampilkanPilihan(String pilihan){
            try
            {
                Intent pindah=null;
                if (pilihan.equals("Kata Ganti Orang")){
                    pindah=new Intent(this, KataGantiOrang.class);
                }
                elseif (pilihan.equals("Penunjuk Tempat")){
                    pindah=new Intent(this, KataPenunjukTempat.class);
                }
                elseif (pilihan.equals("Kata Tanya")){
                    pindah=new Intent(this, KataTanya.class);
                }
                elseif (pilihan.equals("Penunjuk Jumlah")){
                    pindah=new Intent(this, KataPenunjukJumlah.class);
                }
                elseif (pilihan.equals("Bilangan")){
                    pindah=new Intent(this, KataBilangan.class);
                }
                elseif (pilihan.equals("Ukuran")){
                    pindah=new Intent(this, KataUkuran.class);
                }
                elseif (pilihan.equals("Hewan")){
                    pindah=new Intent(this, KataHewan.class);
                }
                elseif (pilihan.equals("Tanaman atau Buah")){
                    pindah=new Intent(this, KataTanamanBuah.class);
                }
                elseif (pilihan.equals("Bagian Badan")){
                    pindah=new Intent(this, KataBagianBadan.class);
                }
                elseif (pilihan.equals("Warna")){
                    pindah=new Intent(this, KataWarna.class);
                }
                elseif (pilihan.equals("Periode Waktu")){
                    pindah=new Intent(this, KataPeriodeWaktu.class);
                }
                elseif (pilihan.equals("Keadaan")){
                    pindah=new Intent(this, KataKeadaan.class);
                }
                elseif (pilihan.equals("Kekerabatan")){
                    pindah=new Intent(this, KataKekerabatan.class);
                }
                elseif (pilihan.equals("Perangai")){
                    pindah=new Intent(this, KataPerangai.class);
                }
                startActivity(pindah); //mulai activity yang terpilih
            } catch (Exception e){
                e.printStackTrace();
            }
        }
    }
}
```

KataGantiOrang.java

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

publicclass KataGantiOrang extends Activity {

    private MediaPlayer player;
    private Button yakuButton;
    private Button ikauButton;
    private Button itahButton;
    private Button awenButton;
    private Button ieButton;

    @Override
    publicvoid onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_ganti_orang);
        yakuButton = (Button) this.findViewById(R.id.yaku);
        yakuButton.setOnClickListener(new OnClickListener() {
            @Override
            publicvoid onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(1);
            }
        });
        ikauButton = (Button) this.findViewById(R.id.ikau);
        ikauButton.setOnClickListener(new OnClickListener() {

            @Override
            publicvoid onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(2);
            }

        });
        itahButton = (Button) this.findViewById(R.id.itah);
        itahButton.setOnClickListener(new OnClickListener() {

            @Override
            publicvoid onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(3);
            }

        });
    }
}
```

```
ieButton = (Button) this.findViewById(R.id.ie);
ieButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(4);
    }
});

}
private void playSound(int arg) {
    try {

        if (player.isPlaying()) {

            player.stop();
            player.release();
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
    if (arg == 1) {
        player = MediaPlayer.create(this, R.raw.yaku);
    } else if (arg == 2) {
        player = MediaPlayer.create(this, R.raw.ikau);
    } else if (arg == 3) {
        player = MediaPlayer.create(this, R.raw.itah);
    }
    } else if (arg == 4) {
        player = MediaPlayer.create(this, R.raw.ie);
    }
    player.setLooping(false);
    player.start();
}
}
```

KataPenunjukTempat.java

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class KataPenunjukTempat extends Activity {

    private MediaPlayer player;
    private Button hunjunButton;

    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_penunjuk_tempat);

        // Get the button from the view
        hunjunButton = (Button)
this.findViewById(R.id.hunjun);
        hunjunButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(1);
            }

        });

    }

    @Override
    public void onPause() {
        try{
            super.onPause();
            player.pause();
        }catch (Exception e){

        }
    }
    private void playSound(int arg){
        try{
            if (player.isPlaying()) {
                player.stop();
                player.release();
            }
        }catch(Exception e){
            e.printStackTrace();
        }
    }
    if (arg==1){
        player = MediaPlayer.create(this, R.raw.hunjun);
    }
    player.setLooping(false); // Set looping
    player.start();
}
}
```

KataTanya.java

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class KataTanya extends Activity {
    private MediaPlayer player;
    private Button naraiButton;
    private Button awehButton;

    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_tanya);

        naraiButton = (Button) this.findViewById(R.id.narai);
        naraiButton.setOnClickListener(new OnClickListener() {

            public void onClick(View arg0) {
                playSound(1);
            }

        });
        awehButton = (Button) this.findViewById(R.id.aweh);
        awehButton.setOnClickListener(new OnClickListener() {
            public void onClick(View arg0) {
                playSound(2);
            }
        });
    }

    public void onPause() {
        try{
            super.onPause();
            player.pause();
        }catch (Exception e){

        }
    }

    private void playSound(int arg){
        try{
            if (player.isPlaying()) {
                player.stop();
                player.release();
            }
        }catch(Exception e){
            e.printStackTrace();
        }
        if (arg == 1){
            player = MediaPlayer.create(this, R.raw.narai);
        }else if (arg==2){
            player = MediaPlayer.create(this, R.raw.aweh);
        }
        player.setLooping(false);
        player.start();
    }
}
```

KataPenunjukJumlah.java

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class KataPenunjukJumlah extends Activity {

    private MediaPlayer player;
    private Button areButton;
    private Button samandeyahButton;
    private Button isutButton;
    private Button belahButton;

    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_penunjuk_jumlah);

        // Get the button from the view
        areButton = (Button) this.findViewById(R.id.are);
        areButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(1);
            }
        });
        samandeyahButton = (Button)
this.findViewById(R.id.samandeyah);
        samandeyahButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(2);
            }
        });
        isutButton = (Button) this.findViewById(R.id.isut);
        isutButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(3);
            }
        });
    }
}
```

```

belahButton = (Button) this.findViewById(R.id.belah);
belahButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(4);
    }

});

}

@Override
public void onPause() {
    try{
        super.onPause();
        player.pause();
    }catch (Exception e){

    }

}

private void playSound(int arg){
    try{
        if (player.isPlaying()) {
            player.stop();
            player.release();
        }
    }catch(Exception e){
        e.printStackTrace();
    }
    if (arg == 1){
        player = MediaPlayer.create(this, R.raw.are);
    }else if (arg==2){
        player = MediaPlayer.create(this, R.raw.samandeyah);
    }else if (arg==3){
        player = MediaPlayer.create(this, R.raw.isut);
    }else if (arg==4){
        player = MediaPlayer.create(this, R.raw.belah);
    }
    player.setLooping(false); // Set looping
    player.start();
}
}

```


KataBilangan.java

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class KataBilangan extends Activity {

    private MediaPlayer player;
    private Button ijeButton;
    private Button dueButton;
    private Button teluButton;
    private Button epatButton;
    private Button limeButton;
    private Button jahawenButton;
    private Button ujuButton;
    private Button hanyaButton;
    private Button jalatienButton;
    private Button sapuluhButton;
    private Button sebelasButton;
    private Button due_belasButton;
    private Button telu_belasButton;
    private Button epat_belasButton;
    private Button lime_belasButton;
    private Button jahawen_belasButton;
    private Button uju_belasButton;
    private Button hanya_belasButton;
    private Button jalatien_belasButton;
    private Button due_puluhButton;
    private Button due_puluh_ijeButton;
    private Button due_puluh_dueButton;
    private Button due_puluh_teluButton;
    private Button due_puluh_epatButton;
    private Button due_puluh_limeButton;

    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_bilangan);

        ijeButton = (Button) this.findViewById(R.id.ije);
        ijeButton.setOnClickListener(new OnClickListener() {

            public void onClick(View arg0) {
                playSound(1);
            }
        });
        dueButton = (Button) this.findViewById(R.id.due);
        dueButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                playSound(2);
            }
        });
    }
}
```

```

teluButton = (Button) this.findViewById(R.id.telu);
teluButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(3);
    }

});
epatButton = (Button) this.findViewById(R.id.epat);
epatButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(4);
    }

});
limeButton = (Button) this.findViewById(R.id.lime);
limeButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(5);
    }

});
jahawenButton = (Button) this.findViewById(R.id.jahawen);
jahawenButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(6);
    }

});
ujuButton = (Button) this.findViewById(R.id.uju);
ujuButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(7);
    }

});
hanyaButton = (Button) this.findViewById(R.id.hanya);
hanyaButton.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(8);
    }

});

```

```

        jalatienButton = (Button) this.findViewById(R.id.jalatien);
        jalatienButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(9);
            }

        });
        sapuluhButton = (Button) this.findViewById(R.id.sapuluh);
        sapuluhButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(10);
            }

        });
        sebelasButton = (Button) this.findViewById(R.id.sebelas);
        sebelasButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(11);
            }

        });
        due_belasButton = (Button)
this.findViewById(R.id.due_belas);
        due_belasButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(12);
            }

        });
        telu_belasButton = (Button) this.findViewById(R.id.telu_belas);
        telu_belasButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(13);
            }

        });
        epat_belasButton = (Button) this.findViewById(R.id.epat_belas);
        epat_belasButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(14);
            }

        });

```

```

lime_belasButton = (Button) this.findViewById(R.id.lime_belas);
lime_belasButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(15);
    }

});
jahawen_belasButton = (Button) this.findViewById(R.id.jahawen_belas);
jahawen_belasButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(16);
    }

});
uju_belasButton = (Button) this.findViewById(R.id.uju_belas);
uju_belasButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(17);
    }

});
hanya_belasButton = (Button) this.findViewById(R.id.hanya_belas);
hanya_belasButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(18);
    }

});
jalatien_belasButton = (Button) this.findViewById(R.id.jalatien_belas);
jalatien_belasButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(19);
    }

});
due_puluhButton = (Button) this.findViewById(R.id.due_puluh);
due_puluhButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(20);
    }

});

```

```

due_puluh_ijeButton = (Button) this.findViewById(R.id.due_puluh_ije);
due_puluh_ijeButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(21);
    }

});
due_puluh_dueButton = (Button) this.findViewById(R.id.due_puluh_due);
due_puluh_dueButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(22);
    }

});
due_puluh_teluButton = (Button) this.findViewById(R.id.due_puluh_telu);
due_puluh_teluButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(23);
    }

});
due_puluh_epatButton = (Button) this.findViewById(R.id.due_puluh_epat);
due_puluh_epatButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(24);
    }

});
due_puluh_limeButton = (Button) this.findViewById(R.id.due_puluh_lime);
due_puluh_limeButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(25);
    }

});
}
@Override
public void onPause() {
    try{
        super.onPause();
        player.pause();
    }catch (Exception e){

    }

}
}

```

```

private void playSound(int arg) {
    try{
        if (player.isPlaying()) {
            player.stop();
            player.release();
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
    if (arg == 1) {
        player = MediaPlayer.create(this, R.raw.ije);
    } else if (arg == 2) {
        player = MediaPlayer.create(this, R.raw.due);
    } else if (arg == 3) {
        player = MediaPlayer.create(this, R.raw.telu);
    } else if (arg == 4) {
        player = MediaPlayer.create(this, R.raw.epat);
    } else if (arg == 5) {
        player = MediaPlayer.create(this, R.raw.lime);
    } else if (arg == 6) {
        player = MediaPlayer.create(this, R.raw.jahawen);
    } else if (arg == 7) {
        player = MediaPlayer.create(this, R.raw.uju);
    } else if (arg == 8) {
        player = MediaPlayer.create(this, R.raw.hanya);
    } else if (arg == 9) {
        player = MediaPlayer.create(this, R.raw.jalatie);
    } else if (arg == 10) {
        player = MediaPlayer.create(this, R.raw.sapuluh);
    } else if (arg == 11) {
        player = MediaPlayer.create(this, R.raw.sebelas);
    } else if (arg == 12) {
        player = MediaPlayer.create(this, R.raw.due_belas);
    } else if (arg == 13) {
        player = MediaPlayer.create(this, R.raw.telu_belas);
    } else if (arg == 14) {
        player = MediaPlayer.create(this, R.raw.epat_belas);
    } else if (arg == 15) {
        player = MediaPlayer.create(this, R.raw.lime_belas);
    } else if (arg == 16) {
        player = MediaPlayer.create(this, R.raw.jahawen_belas);
    } else if (arg == 17) {
        player = MediaPlayer.create(this, R.raw.uju_belas);
    } else if (arg == 18) {
        player = MediaPlayer.create(this, R.raw.hanya_belas);
    } else if (arg == 19) {
        player = MediaPlayer.create(this, R.raw.jalatie_belas);
    } else if (arg == 20) {
        player = MediaPlayer.create(this, R.raw.due_puluh);
    } else if (arg == 21) {
        player = MediaPlayer.create(this, R.raw.due_puluh_ije);
    } else if (arg == 22) {
        player = MediaPlayer.create(this, R.raw.due_puluh_due);
    } else if (arg == 23) {
        player = MediaPlayer.create(this, R.raw.due_puluh_telu);
    } else if (arg == 24) {
        player = MediaPlayer.create(this, R.raw.due_puluh_epat);
    } else if (arg == 25) {
        player = MediaPlayer.create(this, R.raw.due_puluh_lime);
    }
    player.setLooping(false); // Set looping
    player.start();
}
}

```

KataUkuran.java

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class KataUkuran extends Activity {

    private MediaPlayer player;
    private Button haiButton;
    private Button kurikButton;
    private Button panjangButton;
    private Button pandakButton;
    private Button nipisButton;
    private Button tinggiButton;
    private Button randahButton;
    private Button kipitButton;

    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_ukuran);

        // Get the button from the view
        haiButton = (Button) this.findViewById(R.id.hai);
        haiButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(1);
            }
        });
        kurikButton = (Button) this.findViewById(R.id.kurik);
        kurikButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(2);
            }
        });
        panjangButton = (Button) this.findViewById(R.id.panjang);
        panjangButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(3);
            }
        });
    }
}
```

```

pandakButton = (Button) this.findViewById(R.id.pandak);
pandakButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(4);
    }

});
nipisButton = (Button) this.findViewById(R.id.nipis);
nipisButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(5);
    }

});

tinggiButton = (Button) this.findViewById(R.id.tinggi);
tinggiButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(6);
    }

});
randahButton = (Button) this.findViewById(R.id.randah);
randahButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(7);
    }

});
kipitButton = (Button) this.findViewById(R.id.kipit);
kipitButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(8);
    }

});
}
@Override
public void onPause() {
    try{
        super.onPause();
        player.pause();
    }catch (Exception e){

    }

}
}

```



```
private void playSound(int arg) {
    try{
        if (player.isPlaying()) {
            player.stop();
            player.release();
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
    if (arg == 1) {
        player = MediaPlayer.create(this, R.raw.hai);
    } else if (arg==2) {
        player = MediaPlayer.create(this, R.raw.kurik);
    } else if (arg==3) {
        player = MediaPlayer.create(this, R.raw.panjang);
    } else if (arg==4) {
        player = MediaPlayer.create(this, R.raw.pandak);
    } else if (arg==5) {
        player = MediaPlayer.create(this, R.raw.nipis);
    } else if (arg==6) {
        player = MediaPlayer.create(this, R.raw.tinggi);
    } else if (arg==7) {
        player = MediaPlayer.create(this, R.raw.randah);
    } else if (arg==8) {
        player = MediaPlayer.create(this, R.raw.kipit);
    }
    player.setLooping(false); // Set looping
    player.start();
}
}
```

KataHewan.java

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class KataHewan extends Activity {

    private MediaPlayer player;
    private Button satuwaButton;
    private Button laukButton;
    private Button burungButton;
    private Button hadanganButton;
    private Button sapiButton;
    private Button kudaButton;
    private Button harimauButton;
    private Button gutiButton;
    private Button undangButton;
    private Button gajahButton;
    private Button buaiButton;
    private Button handipeButton;
    private Button manukButton;
    private Button itikButton;
    private Button siputButton;
    private Button lindungButton;

    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_hewan);

        // Get the button from the view
        satuwaButton = (Button) this.findViewById(R.id.satuwa);
        satuwaButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(1);
            }
        });
        laukButton = (Button) this.findViewById(R.id.lauk);
        laukButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(2);
            }
        });
    }
}
```

```

burungButton = (Button) this.findViewById(R.id.burung);
burungButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(3);

    }

});
hadanganButton = (Button) this.findViewById(R.id.hadangan);
hadanganButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(4);

    }

});
sapiButton = (Button) this.findViewById(R.id.sapi);
sapiButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(5);

    }

});
kudaButton = (Button) this.findViewById(R.id.kuda);
kudaButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(6);

    }

});
harimauButton = (Button) this.findViewById(R.id.harimau);
harimauButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(7);

    }

});
gutiButton = (Button) this.findViewById(R.id.guti);
gutiButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(8);

    }

});

```

```

undangButton = (Button) this.findViewById(R.id.undang);
undangButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(9);
    }
});
gajahButton = (Button) this.findViewById(R.id.gajah);
gajahButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(10);
    }
});
buaiButton = (Button) this.findViewById(R.id.buai);
buaiButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(11);
    }
});
handipeButton = (Button) this.findViewById(R.id.handipe);
handipeButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(12);
    }
});
manukButton = (Button) this.findViewById(R.id.manuk);
manukButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(13);
    }
});
itikButton = (Button) this.findViewById(R.id.itik);
itikButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(14);
    }
});

```

```

siputButton = (Button) this.findViewById(R.id.siput);
siputButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(15);
    }

});
lindungButton = (Button) this.findViewById(R.id.lindung);
lindungButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(16);
    }

});
}
@Override
public void onPause() {
    try{
        super.onPause();
        player.pause();
    }catch (Exception e){

    }

}

private void playSound(int arg){
    try{
        if (player.isPlaying()) {
            player.stop();
            player.release();
        }
    }catch(Exception e){
        e.printStackTrace();
    }
    if (arg == 1){
        player = MediaPlayer.create(this, R.raw.satuwa);
    }else if (arg==2){
        player = MediaPlayer.create(this, R.raw.lauk);
    }else if (arg==3){
        player = MediaPlayer.create(this, R.raw.burung);
    }else if (arg==4){
        player = MediaPlayer.create(this, R.raw.hadangan);
    }else if (arg==5){
        player = MediaPlayer.create(this, R.raw.sapi);
    }else if (arg==6){
        player = MediaPlayer.create(this, R.raw.kuda);
    }else if (arg==7){
        player = MediaPlayer.create(this, R.raw.harimau);
    }else if (arg==8){
        player = MediaPlayer.create(this, R.raw.guti);
    }else if (arg==9){
        player = MediaPlayer.create(this, R.raw.undang);
    }else if (arg==10){
        player = MediaPlayer.create(this, R.raw.gajah);
    }
}

```

```
    else if (arg==11){
        player = MediaPlayer.create(this, R.raw.buai);
    }else if (arg==12){
        player = MediaPlayer.create(this, R.raw.handipe);
    }else if (arg==13){
        player = MediaPlayer.create(this, R.raw.manuk);
    }else if (arg==14){
        player = MediaPlayer.create(this, R.raw.itik);
    }else if (arg==15){
        player = MediaPlayer.create(this, R.raw.siput);
    }else if (arg==16){
        player = MediaPlayer.create(this, R.raw.lindung);
    }
    player.setLooping(false); // Set looping
    player.start();
}
}
```

KataTanamanBuah.java

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class KataTanamanBuah extends Activity {

    private MediaPlayer player;
    private Button kadondongButton;
    private Button kanasButton;
    private Button jawawButton;
    private Button maritiButton;
    private Button pareiButton;

    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_tanaman_buah);

        // Get the button from the view
        kadondongButton = (Button)
this.findViewById(R.id.kadondong);
        kadondongButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(1);
            }

        });
        kanasButton = (Button) this.findViewById(R.id.kanas);
        kanasButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(2);
            }

        });
        jawawButton = (Button) this.findViewById(R.id.jawaw);
        jawawButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(3);
            }

        });
    }
}
```

```

maritiButton = (Button) this.findViewById(R.id.mariti);
maritiButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(4);
    }

});
pareiButton = (Button) this.findViewById(R.id.parei);
pareiButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(5);
    }

});

}

@Override
public void onPause() {
    try{
        super.onPause();
        player.pause();
    }catch (Exception e){

    }

}

private void playSound(int arg){
    try{
        if (player.isPlaying()) {
            player.stop();
            player.release();
        }
    }catch(Exception e){
        e.printStackTrace();
    }
    if (arg == 1){
        player = MediaPlayer.create(this, R.raw.kadondong);
    }else if (arg==2){
        player = MediaPlayer.create(this, R.raw.kanas);
    }else if (arg==3){
        player = MediaPlayer.create(this, R.raw.jawaw);
    }else if (arg==4){
        player = MediaPlayer.create(this, R.raw.mariti);
    }else if (arg==5){
        player = MediaPlayer.create(this, R.raw.parei);
    }

    player.setLooping(false); // Set looping
    player.start();
}
}

```


KataBagianBadan.java

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class KataBagianBadan extends Activity {

    private MediaPlayer player;
    private Button kupakButton;
    private Button balauButton;
    private Button takulukButton;
    private Button mateButton;
    private Button lingkauButton;
    private Button kanningButton;
    private Button nyameButton;
    private Button kasingeButton;
    private Button biwihButton;
    private Button jelaButton;
    private Button balengkongButton;
    private Button sasingutButton;
    private Button janggutButton;
    private Button usukButton;
    private Button tanaiButton;
    private Button uyatButton;
    private Button lengeButton;
    private Button siluButton;
    private Button lintuhutButton;
    private Button sapakButton;
    private Button kahangButton;
    private Button ateiButton;

    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_bagian_badan);
        // Get the button from the view
        kupakButton = (Button) this.findViewById(R.id.kupak);
        kupakButton.setOnClickListener(new OnClickListener() {
            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(1);
            }
        });
        balauButton = (Button) this.findViewById(R.id.balau);
        balauButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(2);
            }
        });
    }
}
```

```

takulukButton = (Button) this.findViewById(R.id.takuluk);
    takulukButton.setOnClickListener(new OnClickListener() {

        @Override
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
            playSound(3);

        }

    });
mateButton = (Button) this.findViewById(R.id.mate);
mateButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(4);

    }

});
lingkauButton = (Button) this.findViewById(R.id.lingkau);
lingkauButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(5);

    }

});
kaningButton = (Button) this.findViewById(R.id.kaning);
kaningButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(6);

    }

});
nyameButton = (Button) this.findViewById(R.id.nyame);
nyameButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(7);

    }

});
kasingeButton = (Button) this.findViewById(R.id.kasinge);
kasingeButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(8);

    }

});

```

```

        biwihButton = (Button) this.findViewById(R.id.biwih);
        biwihButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(9);
            }
        });
        jelaButton = (Button) this.findViewById(R.id.jela);
        jelaButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(10);
            }
        });
        balengkongButton = (Button) this.findViewById(R.id.balengkong);
        balengkongButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(11);
            }
        });
        sasingutButton = (Button) this.findViewById(R.id.sasingut);
        sasingutButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(12);
            }
        });
        janggutButton = (Button) this.findViewById(R.id.janggut);
        janggutButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(13);
            }
        });
    });

```

```

usukButton = (Button) this.findViewById(R.id.usuk);
    usukButton.setOnClickListener(new OnClickListener() {
        @Override
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
            playSound(14);
        }
    });
tanaiButton = (Button) this.findViewById(R.id.tanai);
tanaiButton.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(15);
    }
});
uyatButton = (Button) this.findViewById(R.id.uyat);
uyatButton.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(16);
    }
});
lenggeButton = (Button) this.findViewById(R.id.lengge);
lenggeButton.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(17);
    }
});
siluButton = (Button) this.findViewById(R.id.silu);
siluButton.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(18);
    }
});
lintuhutButton = (Button) this.findViewById(R.id.lintuhut);
lintuhutButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(19);
    }
});
sapakButton = (Button) this.findViewById(R.id.sapak);
sapakButton.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(20);
    }
});

```

```

kahangButton = (Button) this.findViewById(R.id.kahang);
kahangButton.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(21);
    }
});
ateiButton = (Button) this.findViewById(R.id.atei);
ateiButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(22);
    }
});
}
@Override
public void onPause() {
    try{
        super.onPause();
        player.pause();
    }catch (Exception e){

    }
}

private void playSound(int arg) {
    try{
        if (player.isPlaying()) {
            player.stop();
            player.release();
        }
    }catch(Exception e){
        e.printStackTrace();
    }
    if (arg == 1){
        player = MediaPlayer.create(this, R.raw.kupak);
    }else if (arg==2){
        player = MediaPlayer.create(this, R.raw.balau);
    }else if (arg==3){
        player = MediaPlayer.create(this, R.raw.takuluk);
    }else if (arg==4){
        player = MediaPlayer.create(this, R.raw.mate);
    }else if (arg==5){
        player = MediaPlayer.create(this, R.raw.lingkau);
    }else if (arg==6){
        player = MediaPlayer.create(this, R.raw.kaning);
    }else if (arg==7){
        player = MediaPlayer.create(this, R.raw.nyame);
    }else if (arg==8){
        player = MediaPlayer.create(this, R.raw.kasinge);
    }else if (arg==9){
        player = MediaPlayer.create(this, R.raw.biwih);
    }
}

```

```
else if (arg==10){
    player = MediaPlayer.create(this, R.raw.jela);
} else if (arg ==11){
    player = MediaPlayer.create(this, R.raw.balengkong);
} else if (arg==12){
    player = MediaPlayer.create(this, R.raw.sasingut);
} else if (arg==13){
    player = MediaPlayer.create(this, R.raw.janggut);
} else if (arg==14){
    player = MediaPlayer.create(this, R.raw.usuk);
} else if (arg==15){
    player = MediaPlayer.create(this, R.raw.tanai);
} else if (arg==16){
    player = MediaPlayer.create(this, R.raw.uyat);
} else if (arg==17){
    player = MediaPlayer.create(this, R.raw.lenge);
} else if (arg==18){
    player = MediaPlayer.create(this, R.raw.silu);
} else if (arg==19){
    player = MediaPlayer.create(this, R.raw.lintuhut);
} else if (arg==20){
    player = MediaPlayer.create(this, R.raw.sapak);
} else if (arg==21){
    player = MediaPlayer.create(this, R.raw.kahang);
} else if (arg==22){
    player = MediaPlayer.create(this, R.raw.atei);
}

player.setLooping(false); // Set looping
player.start();
}
}
```

KataWarna.java

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class KataWarna extends Activity {

    private MediaPlayer player;
    private Button bahandangButton;
    private Button baputiButton;
    private Button bamaremButton;
    private Button bahijauButton;
    private Button bahendaButton;

    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_warna);

        // Get the button from the view
        bahandangButton = (Button)
this.findViewById(R.id.bahandang);
        bahandangButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(1);
            }
        });
        baputiButton = (Button) this.findViewById(R.id.baputi);
        baputiButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(2);
            }
        });
        bamaremButton = (Button) this.findViewById(R.id.bamarem);
        bamaremButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(3);
            }
        });
    }
}
```

```

bahijauButton = (Button) this.findViewById(R.id.bahijau);
    bahijauButton.setOnClickListener(new OnClickListener() {

        @Override
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
            playSound(4);
        }
    });
bahendaButton = (Button) this.findViewById(R.id.bahenda);
bahendaButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(5);
    }

});

}

@Override
public void onPause() {
    try{
        super.onPause();
        player.pause();
    }catch (Exception e){

    }

}

private void playSound(int arg){
    try{
        if (player.isPlaying()) {
            player.stop();
            player.release();
        }
    }catch(Exception e){
        e.printStackTrace();
    }
    if (arg == 1){
        player = MediaPlayer.create(this, R.raw.bahandang);
    }else if (arg==2){
        player = MediaPlayer.create(this, R.raw.baputi);
    }else if (arg==3){
        player = MediaPlayer.create(this, R.raw.bamarem);
    }else if (arg==4){
        player = MediaPlayer.create(this, R.raw.bahijau);
    }
    else if (arg==5){
        player = MediaPlayer.create(this, R.raw.bahenda);
    }
    player.setLooping(false); // Set looping
    player.start();
}
}
}

```


KataPeriodeWaktu

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class KataPeriodeWaktu extends Activity {

    private MediaPlayer player;
    private Button hamalemButton;
    private Button handauButton;
    private Button hajeoButton;
    private Button sanjaButton;

    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_periode_waktu);
        // Get the button from the view
        hamalemButton = (Button) this.findViewById(R.id.hamalem);
        hamalemButton.setOnClickListener(new OnClickListener() {
            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(1);
            }
        });
        handauButton = (Button) this.findViewById(R.id.handau);
        handauButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(2);
            }
        });
        hajeoButton = (Button) this.findViewById(R.id.hajeo);
        hajeoButton.setOnClickListener(new OnClickListener() {
            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(3);
            }
        });
        sanjaButton = (Button) this.findViewById(R.id.sanja);
        sanjaButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(4);
            }
        });
    }
}
```

```
@Override
    public void onPause() {
        try{
            super.onPause();
            player.pause();
        }catch (Exception e){

        }
    }

    private void playSound(int arg){
        try{
            if (player.isPlaying()) {
                player.stop();
                player.release();
            }
        }catch(Exception e){
            e.printStackTrace();
        }
        if (arg == 1){
            player = MediaPlayer.create(this, R.raw.hamalem);
        }else if (arg==2){
            player = MediaPlayer.create(this, R.raw.handau);
        }else if (arg==3){
            player = MediaPlayer.create(this, R.raw.hajeo);
        }else if (arg==4){
            player = MediaPlayer.create(this, R.raw.sanja);
        }

        player.setLooping(false); // Set looping
        player.start();
    }
}
```

KataKeadaan.java

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class KataKeadaan extends Activity {

    private MediaPlayer player;
    private Button balasuButton;
    private Button sadinginButton;
    private Button penuButton;
    private Button hanyarButton;
    private Button tahiButton;
    private Button bagusButton;
    private Button burukButton;
    private Button keangButton;
    private Button babisaButton;

    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_keadaan);

        // Get the button from the view
        balasuButton = (Button) this.findViewById(R.id.balasu);
        balasuButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(1);
            }
        });
        sadinginButton = (Button) this.findViewById(R.id.sadingin);
        sadinginButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(2);
            }
        });
        penuButton = (Button) this.findViewById(R.id.penu);
        penuButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(3);
            }
        });
    }
}
```

```

hanyarButton = (Button) this.findViewById(R.id.hanyar);
    hanyarButton.setOnClickListener(new OnClickListener() {

        @Override
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
            playSound(4);

        }

    });
tahiButton = (Button) this.findViewById(R.id.tahi);
tahiButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(5);

    }

});
bagusButton = (Button) this.findViewById(R.id.bagus);
bagusButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(6);

    }

});
burukButton = (Button) this.findViewById(R.id.buruk);
burukButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(7);

    }

});
keangButton = (Button) this.findViewById(R.id.keang);
keangButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(8);

    }

});
babisaButton = (Button) this.findViewById(R.id.babisa);
babisaButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(9);

    }

});
}

```

```
@Override
    public void onPause() {
        try{
            super.onPause();
            player.pause();
        }catch (Exception e){

        }

    }

    private void playSound(int arg) {
        try{
            if (player.isPlaying()) {
                player.stop();
                player.release();
            }
        }catch(Exception e){
            e.printStackTrace();
        }
        if (arg == 1){
            player = MediaPlayer.create(this, R.raw.balasu);
        }else if (arg==2){
            player = MediaPlayer.create(this, R.raw.sadingin);
        }else if (arg==3){
            player = MediaPlayer.create(this, R.raw.penu);
        }else if (arg==4){
            player = MediaPlayer.create(this, R.raw.hanyar);
        }else if (arg==5){
            player = MediaPlayer.create(this, R.raw.tahi);
        }else if (arg==6){
            player = MediaPlayer.create(this, R.raw.bagus);
        }else if (arg==7){
            player = MediaPlayer.create(this, R.raw.buruk);
        }else if (arg==8){
            player = MediaPlayer.create(this, R.raw.keang);
        }else if (arg==9){
            player = MediaPlayer.create(this, R.raw.babisa);
        }

        player.setLooping(false); // Set looping
        player.start();
    }
}
```

KataKekerabatan.java

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class KataKekerabatan extends Activity {

    private MediaPlayer player;
    private Button apaButton;
    private Button umaButton;
    private Button anakButton;
    private Button kaka_tueButton;
    private Button kaka_bawiButton;
    private Button ampahari_apaButton;
    private Button ampahari_umaButton;
    private Button ini_tueButton;
    private Button ini_bawiButton;
    private Button ensuButton;
    private Button kantenButton;
    private Button minantuButton;
    private Button pawaranganButton;
    private Button akenButton;
    private Button empuButton;

    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_kekerabatan);

        // Get the button from the view
        apaButton = (Button) this.findViewById(R.id.apa);
        apaButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(1);
            }

        });
        umaButton = (Button) this.findViewById(R.id.uma);
        umaButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(2);
            }

        });
    }
}
```

```

anakButton = (Button) this.findViewById(R.id.anak);
    anakButton.setOnClickListener(new OnClickListener() {

        @Override
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
            playSound(3);

        }

    });
kaka_tueButton = (Button) this.findViewById(R.id.kaka_tue);
kaka_tueButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(4);

    }

});
kaka_bawiButton = (Button)
this.findViewById(R.id.kaka_bawi);
kaka_bawiButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(5);

    }

});
ampahari_apaButton = (Button)
this.findViewById(R.id.ampahari_apa);
ampahari_apaButton.setOnClickListener(new OnClickListener()
{

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(6);

    }

});
ampahari_umaButton = (Button)
this.findViewById(R.id.ampahari_uma);
ampahari_umaButton.setOnClickListener(new OnClickListener()
{

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(7);

    }

});
ini_tueButton = (Button) this.findViewById(R.id.ini_tue);
ini_tueButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(8);

    }

});

```

```

ini_bawiButton = (Button) this.findViewById(R.id.ini_bawi);
    ini_bawiButton.setOnClickListener(new OnClickListener() {

        @Override
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
            playSound(9);

        }

    });
ensuButton = (Button) this.findViewById(R.id.ensu);
ensuButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(10);

    }

});
kantenButton = (Button) this.findViewById(R.id.kanten);
kantenButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(11);

    }

});
minantuButton = (Button) this.findViewById(R.id.minantu);
minantuButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(12);

    }

});
pawaranganButton = (Button)
this.findViewById(R.id.pawarangan);
pawaranganButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(13);

    }

});
akenButton = (Button) this.findViewById(R.id.aken);
akenButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(14);

    }

});

```



```

empuButton = (Button) this.findViewById(R.id.empu);
empuButton.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(15);
    }
});
}
@Override
public void onPause() {
    try{
        super.onPause();
        player.pause();
    }catch (Exception e){
    }
}
private void playSound(int arg){
    try{
        if (player.isPlaying()) {
            player.stop();
            player.release();
        }
    }catch(Exception e){
        e.printStackTrace();
    }
    if (arg == 1){
        player = MediaPlayer.create(this, R.raw.apa);
    }else if (arg==2){
        player = MediaPlayer.create(this, R.raw.uma);
    }else if (arg==3){
        player = MediaPlayer.create(this, R.raw.anak);
    }else if (arg==4){
        player = MediaPlayer.create(this, R.raw.kaka_tue);
    }else if (arg==5){
        player = MediaPlayer.create(this, R.raw.kaka_bawi);
    }else if (arg==6){
        player = MediaPlayer.create(this, R.raw.ampahari_apa);
    }else if (arg==7){
        player = MediaPlayer.create(this, R.raw.ampahari_uma);
    }else if (arg==8){
        player = MediaPlayer.create(this, R.raw.ini_tue);
    }else if (arg==9){
        player = MediaPlayer.create(this, R.raw.ini_bawi);
    }else if (arg==10){
        player = MediaPlayer.create(this, R.raw.ensu);
    }else if (arg==11){
        player = MediaPlayer.create(this, R.raw.kanten);
    }else if (arg==12){
        player = MediaPlayer.create(this, R.raw.minantu);
    }else if (arg==13){
        player = MediaPlayer.create(this, R.raw.pawarangan);
    }else if (arg==14){
        player = MediaPlayer.create(this, R.raw.aken);
    }else if (arg==15){
        player = MediaPlayer.create(this, R.raw.empu);
    }
    player.setLooping(false); // Set looping
    player.start();
}
}
}

```

KataPerangai.java

```
import android.app.Activity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class KataPerangai extends Activity {

    private MediaPlayer player;
    private Button kapehe_ateiButton;
    private Button sangitButton;
    private Button sukaButton;
    private Button mahamenButton;
    private Button bahanyiButton;
    private Button mekehButton;

    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.kata_perangai);

        // Get the button from the view
        kapehe_ateiButton = (Button)
this.findViewById(R.id.kapehe_atei);
        kapehe_ateiButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(1);
            }

        });
        sangitButton = (Button) this.findViewById(R.id.sangit);
        sangitButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(2);
            }

        });
        sukaButton = (Button) this.findViewById(R.id.suka);
        sukaButton.setOnClickListener(new OnClickListener() {

            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                playSound(3);
            }

        });
    }
}
```

```

mahamenButton = (Button) this.findViewById(R.id.mahamen);
mahamenButton.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(4);
    }
});
bahanyiButton = (Button) this.findViewById(R.id.bahanyi);
bahanyiButton.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(5);
    }
});
mekehButton = (Button) this.findViewById(R.id.mekeh);
mekehButton.setOnClickListener(new OnClickListener() {

    @Override
    public void onClick(View arg0) {
        // TODO Auto-generated method stub
        playSound(6);
    }
});
}
@Override
public void onPause() {
    try{
        super.onPause();
        player.pause();
    }catch (Exception e){

    }
}
private void playSound(int arg) {
    try{
        if (player.isPlaying()) {
            player.stop();
            player.release();
        }
    }catch(Exception e){
        e.printStackTrace();
    }
    if (arg == 1){
        player = MediaPlayer.create(this, R.raw.kapehe_atei);
    }else if (arg==2){
        player = MediaPlayer.create(this, R.raw.sangit);
    }else if (arg==3){
        player = MediaPlayer.create(this, R.raw.suka);
    }else if (arg==4){
        player = MediaPlayer.create(this, R.raw.mahamen);
    }else if (arg==5){
        player = MediaPlayer.create(this, R.raw.bahanyi);
    }else if (arg==6){
        player = MediaPlayer.create(this, R.raw.mekeh);
    }

    player.setLooping(false); // Set looping
    player.start();
}
}

```

Latihan.java

```
import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.io.InputStream;
import org.json.JSONObject;
import org.json.JSONArray;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ListView;
import android.app.ListActivity;
import android.util.Log;

public class Latihan extends ListActivity {
    BufferedReader bReader = null;
    static JSONArray listPertanyaan = null;

    private void tampilkanTebakKata() {

        new Thread()
        {
            public void run() {
                try {
                    muatTebakKata();
                    Intent intent = new Intent(Latihan.this, TebakKata.class);
                    Latihan.this.startActivity(intent);
                } catch (Exception e) {
                }
            }
        }
        .start();
    }

    private void tampilkanTebakKalimat()
    {
        new Thread()
        {
            public void run() {
                try {
                    muatTebakKalimat();
                    Intent intent = new Intent(Latihan.this,
                    TebakKalimat.class);
                    Latihan.this.startActivity(intent);
                } catch (Exception e) {
                }
            }
        }
        .start();
    }
}
```

```

@Override
public void onCreate (Bundle icicle){
    super.onCreate (icicle);

    String[] menu=new String[]{"Tebak Kata","Tebak Kalimat"};
    this.setAdapter (new
    ArrayAdapter<String>(this,android.R.layout.simple_list_item_1,menu));
}
protected void onItemClick (ListView l, View v, int position, long id){
    super.onItemClick(l, v, position, id);
    Object posisi=this.getListAdapter().getItem(position);
    String pilihan=posisi.toString();
    tampilkanPilihan(pilihan);
}
protected void tampilkanPilihan(String pilihan){
    try
    {
        if (pilihan.equals("Tebak Kata")){
            this.tampilkanTebakKata();
        }
        elseif (pilihan.equals("Tebak Kalimat")){
            this.tampilkanTebakKalimat();
        }
    }
    catch (Exception e){
        e.printStackTrace();
    }
}

private void muatTebakKata() throws Exception {
    try {
        InputStream pertanyaans = this.getContext().getResources().
            openRawResource(R.raw.tebakkata);
        bReader = new BufferedReader(new
        InputStreamReader(pertanyaans));
        StringBuilder pertanyaanStr = new StringBuilder();
        String tampungLine = null;
        while ((tampungLine = bReader.readLine()) != null) {
            pertanyaanStr.append(tampungLine);
        }
        Log.d(this.getClass().toString(), pertanyaanStr.toString());
        JSONObject objekPertanyaan = new
        JSONObject(pertanyaanStr.toString());
        listPertanyaan = objekPertanyaan.getJSONArray("Questions");
        Log.d(this.getClass().getName(),
            "Num Questions " + listPertanyaan.length());
    } catch (Exception e){

    } finally {
        try {
            bReader.close();
        } catch (Exception e) {
            Log.e("", e.getMessage().toString(),
            e.getCause());
        }
    }
}
}

```

```

private void muatTebakKalimat() throws Exception {
    try {
        InputStream pertanyaans = this.getContext().getResources()
            .openRawResource(R.raw.tebakkalimat);
        BufferedReader bReader = new BufferedReader(new
InputStreamReader(pertanyaans));
        StringBuilder pertanyaanStr = new StringBuilder();
        String tampungLine = null;
        while ((tampungLine = bReader.readLine()) != null) {
            pertanyaanStr.append(tampungLine);
        }
        Log.d(this.getClass().toString(), pertanyaanStr.toString());
        JSONObject objekPertanyaan = new
JSONObject(pertanyaanStr.toString());
        JSONArray listPertanyaan = objekPertanyaan.getJSONArray("Questions");
        Log.d(this.getClass().getName(),
            "Num Questions " + listPertanyaan.length());
    } catch (Exception e) {
    } finally {
        try {
            bReader.close();
        } catch (Exception e) {
            Log.e("", e.getMessage().toString(),
e.getCause());
        }
    }
}

public static JSONArray getListPertanyaan() {
    return listPertanyaan;
}
}

```

TebakKata.java

```
import java.util.Arrays;
import org.json.JSONArray;
import org.json.JSONObject;
import android.app.Activity;
import android.app.AlertDialog;
import android.content.DialogInterface;
import android.graphics.Color;
import android.os.Bundle;
import android.widget.Button;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TableLayout;
import android.util.Log;
import android.view.View.OnClickListener;
import android.view.View;

publicclass TebakKata extends Activity {

    EditText pertanyaan = null;
    RadioButton jawaban1 = null;
    RadioButton jawaban2 = null;
    RadioButton jawaban3 = null;
    RadioButton jawaban4 = null;
    RadioGroup jawaban = null;
    intperIndex=0;
    intselected[] = null;
    intjawabanBenar[] = null;
    Button sblm, slnjt, slsai = null;
    @Override
    publicvoid onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.latihan);
        TableLayout latihanLayout = (TableLayout)
findViewById(R.id.latihanLayout);
        try {
            pertanyaan = (EditText) findViewById(R.id.pertanyaan);
            jawaban1 = (RadioButton) findViewById(R.id.j0);
            jawaban2 = (RadioButton) findViewById(R.id.j1);
            jawaban3 = (RadioButton) findViewById(R.id.j2);
            jawaban4 = (RadioButton) findViewById(R.id.j3);
            jawaban = (RadioGroup) findViewById(R.id.jawaban);

            slsai = (Button) findViewById(R.id.slsai);
            slsai.setOnClickListener(slsaiListener);
            sblm = (Button) findViewById(R.id.sblm);
            sblm.setOnClickListener(sblmListener);
            slnjt = (Button) findViewById(R.id.slnjt);
            slnjt.setOnClickListener(slnjtListener);
            selected = newint[Latihan.getListPertanyaan().length()];
            java.util.Arrays.fill(selected, -1);
            jawabanBenar = newint[Latihan.getListPertanyaan().length()];
            java.util.Arrays.fill(jawabanBenar, -1);
            this.tampilkanPertanyaan(0);
            latihanLayout.setVisibility(android.view.View.VISIBLE);
        }
        catch (Exception e) {
            Log.e("", e.getMessage().toString(), e.getCause());
        }
    }
}
```

```

private void tampilkanPertanyaan(int pIndeks) {
    try {
        JSONObject gPertanyaan =
        Latihan.getListPertanyaan().getJSONObject(pIndeks);
        String pertanyaanValue = gPertanyaan.getString("Question");
        if (jawabanBenar[pIndeks] == -1) {
            String jawabanBenarStr = gPertanyaan.getString("CorrectAnswer");
            jawabanBenar[pIndeks] = Integer.parseInt(jawabanBenarStr)
        }
        pertanyaan.setText(pertanyaanValue.toCharArray(), 0,
        pertanyaanValue.length());
        jawaban.check(-1);
        jawaban1.setTextColor(Color.BLACK);
        jawaban2.setTextColor(Color.BLACK);
        jawaban3.setTextColor(Color.BLACK);
        jawaban4.setTextColor(Color.BLACK);

        JSONArray listJawaban = gPertanyaan.getJSONArray("Answers");
        String jwbn = listJawaban.getJSONObject(0).getString("Answer");
        jawaban1.setText(jwbn.toCharArray(), 0, jwbn.length());
        jwbn = listJawaban.getJSONObject(1).getString("Answer");
        jawaban2.setText(jwbn.toCharArray(), 0, jwbn.length());
        jwbn = listJawaban.getJSONObject(2).getString("Answer");
        jawaban3.setText(jwbn.toCharArray(), 0, jwbn.length());
        jwbn = listJawaban.getJSONObject(3).getString("Answer");
        jawaban4.setText(jwbn.toCharArray(), 0, jwbn.length());

        Log.d("", selected[pIndeks]+"");
        if (selected[pIndeks] == 0)
            jawaban.check(R.id.j0);
        if (selected[pIndeks] == 1)
            jawaban.check(R.id.j1);
        if (selected[pIndeks] == 2)
            jawaban.check(R.id.j2);
        if (selected[pIndeks] == 3)
            jawaban.check(R.id.j3);

        setJudul();
        if (perIndex == (Latihan.getListPertanyaan().length()-1))
            slnjt.setEnabled(false);
        if (perIndex == 0)
            sblm.setEnabled(false);
        if (perIndex > 0)
            sblm.setEnabled(true);
        if (perIndex < (Latihan.getListPertanyaan().length()-1))
            slnjt.setEnabled(true);

    } catch (Exception e) {
        Log.e(this.getClass().toString(), e.getMessage(),
        e.getCause());
    }
}

```



```

private OnClickListener slsaiListener = new OnClickListener() {
    public void onClick(View v) {
        setJawaban();
        int skor = 0;
        for(int i=0; i<jawabanBenar.length; i++){
            if ((jawabanBenar[i] != -1) && (jawabanBenar[i] == selected[i]))
                skor++;
        }
        AlertDialog alertDialog;
        alertDialog = new AlertDialog.Builder(TebakKata.this).create();
        alertDialog.setTitle("Nilai");
        alertDialog.setMessage((skor) + " benar dari " +
(Latihan.getListPertanyaan().length()));

        alertDialog.setButton(AlertDialog.BUTTON_NEGATIVE, "Keluar", new
DialogInterface.OnClickListener() {
            public void onClick(DialogInterface dialog, int
which) {
                finish();
            }
        });

        alertDialog.show();

    }
};

private void setJawaban() {
    if (jawaban1.isChecked())
        selected[perIndex] = 0;
    if (jawaban2.isChecked())
        selected[perIndex] = 1;
    if (jawaban3.isChecked())
        selected[perIndex] = 2;
    if (jawaban4.isChecked())
        selected[perIndex] = 3;

    Log.d("", Arrays.toString(selected));
    Log.d("", Arrays.toString(jawabanBenar));
}

private OnClickListener slnjtListener = new OnClickListener() {
    public void onClick(View v) {
        setJawaban();
        perIndex++;
        tampilkanPertanyaan(perIndex);
    }
};

private OnClickListener sbmlListener = new OnClickListener() {
    public void onClick(View v) {
        setJawaban();
        perIndex--;
        tampilkanPertanyaan(perIndex);
    }
};

private void setJudul() {
    this.setTitle("Tebak Kata " + (perIndex+1) + "/" +
Latihan.getListPertanyaan().length());
}
}

```

TebakKalimat.java

```
import java.util.Arrays;
import org.json.JSONArray;
import org.json.JSONObject;
import android.app.Activity;
import android.app.AlertDialog;
import android.content.DialogInterface;
import android.graphics.Color;
import android.os.Bundle;
import android.widget.Button;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TableLayout;
import android.util.Log;
import android.view.View.OnClickListener;
import android.view.View;

public class TebakKalimat extends Activity {

    EditText pertanyaan = null;
    RadioButton jawaban1 = null;
    RadioButton jawaban2 = null;
    RadioButton jawaban3 = null;
    RadioButton jawaban4 = null;
    RadioGroup jawaban = null;
    int perIndex=0;
    int selected[] = null;
    int jawabanBenar[] = null;
    Button sblm, slnjt, slsai = null;
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.latihan);
        TableLayout latihanLayout = (TableLayout)
findViewById(R.id.latihanLayout);
        try {
            pertanyaan = (EditText) findViewById(R.id.pertanyaan);
            jawaban1 = (RadioButton) findViewById(R.id.j0);
            jawaban2 = (RadioButton) findViewById(R.id.j1);
            jawaban3 = (RadioButton) findViewById(R.id.j2);
            jawaban4 = (RadioButton) findViewById(R.id.j3);
            jawaban = (RadioGroup) findViewById(R.id.jawaban);

            slsai = (Button) findViewById(R.id.slsai);
            slsai.setOnClickListener(slsaiListener);
            sblm = (Button) findViewById(R.id.sblm);
            sblm.setOnClickListener(sblmListener);
            slnjt = (Button) findViewById(R.id.slnjt);
            slnjt.setOnClickListener(slnjtListener);
            selected = new int[Latihan.getListPertanyaan().length()];
            java.util.Arrays.fill(selected, -1);
            jawabanBenar = new int[Latihan.getListPertanyaan().length()];
            java.util.Arrays.fill(jawabanBenar, -1);
            this.tampilkanPertanyaan(0);
            latihanLayout.setVisibility(android.view.View.VISIBLE);
        } catch (Exception e) {
            Log.e("", e.getMessage().toString(), e.getCause());
        }
    }
}
```

```

private void tampilkanPertanyaan(int pIndeks) {
    try {
        JSONObject gPertanyaan =
        Latihan.getListPertanyaan().getJSONObject(pIndeks);
        String pertanyaanValue = gPertanyaan.getString("Question");
        if (jawabanBenar[pIndeks] == -1) {
            String jawabanBenarStr = gPertanyaan.getString("CorrectAnswer");
            jawabanBenar[pIndeks] = Integer.parseInt(jawabanBenarStr);
        }
        pertanyaan.setText(pertanyaanValue.toCharArray(), 0,
        pertanyaanValue.length());
        jawaban.check(-1);
        jawaban1.setTextColor(Color.BLACK);
        jawaban2.setTextColor(Color.BLACK);
        jawaban3.setTextColor(Color.BLACK);
        jawaban4.setTextColor(Color.BLACK);

        JSONArray listJawaban = gPertanyaan.getJSONArray("Answers");
        String jwbn = listJawaban.getJSONObject(0).getString("Answer");

        jawaban1.setText(jwbn.toCharArray(), 0, jwbn.length());
        jwbn = listJawaban.getJSONObject(1).getString("Answer");
        jawaban2.setText(jwbn.toCharArray(), 0,
        jwbn.length());
        jwbn =
        listJawaban.getJSONObject(2).getString("Answer");
        jawaban3.setText(jwbn.toCharArray(), 0,
        jwbn.length());
        jwbn =
        listJawaban.getJSONObject(3).getString("Answer");
        jawaban4.setText(jwbn.toCharArray(), 0,
        jwbn.length());

        Log.d("", selected[pIndeks]+"");
        if (selected[pIndeks] == 0)
            jawaban.check(R.id.j0);
        if (selected[pIndeks] == 1)
            jawaban.check(R.id.j1);
        if (selected[pIndeks] == 2)
            jawaban.check(R.id.j2);
        if (selected[pIndeks] == 3)
            jawaban.check(R.id.j3);

        setJudul();
        if (perIndex == (Latihan.getListPertanyaan().length()-
1))
            slnjt.setEnabled(false);
        if (perIndex == 0)
            sblm.setEnabled(false);
        if (perIndex > 0)
            sblm.setEnabled(true);
        if (perIndex < (Latihan.getListPertanyaan().length()-
1))
            slnjt.setEnabled(true);

    } catch (Exception e) {
        Log.e(this.getClass().toString(), e.getMessage(), e.getCause());
    }
}

```

```

private OnClickListener slsaiListener = new OnClickListener() {
    public void onClick(View v) {
        setJawaban();
        int skor = 0;
        for(int i=0; i<jawabanBenar.length; i++){

            if ((jawabanBenar[i] != -1) && (jawabanBenar[i] == selected[i]))

                skor++;
        }
        AlertDialog alertDialog;
        alertDialog = new AlertDialog.Builder(TebakKalimat.this).create();
        alertDialog.setTitle("Nilai");
        alertDialog.setMessage((skor) + " benar dari " +
(Latihan.getListPertanyaan().length()));

        alertDialog.setButton(AlertDialog.BUTTON_NEGATIVE,"Keluar", new
DialogInterface.OnClickListener(){
            public void onClick(DialogInterface dialog, int
which) {
                finish();
            }
        });

        alertDialog.show();

    }
};

private void setJawaban() {
    if (jawaban1.isChecked())
        selected[perIndex] = 0;
    if (jawaban2.isChecked())
        selected[perIndex] = 1;
    if (jawaban3.isChecked())
        selected[perIndex] = 2;
    if (jawaban4.isChecked())
        selected[perIndex] = 3;

    Log.d("", Arrays.toString(selected));
    Log.d("", Arrays.toString(jawabanBenar));
}

private OnClickListener slnjtListener = new OnClickListener() {
    public void onClick(View v) {
        setJawaban();
        perIndex++;
        tampilkanPertanyaan(perIndex);
    }
};

private OnClickListener sblmListener = new OnClickListener() {
    public void onClick(View v) {
        setJawaban();
        perIndex--;
        tampilkanPertanyaan(perIndex);
    }
};

private void setJudul() {
    this.setTitle("Tebak Kata " + (perIndex+1)+ "/" +
Latihan.getListPertanyaan().length());
}
}

```