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Cara pemakaian aplikasi web scraping pencarian data quick count

1. Siapkan mesin dengan sistem operasi Linux
2. Install Python 3.7
3. Masuk ke dalam folder webscraping, terdapat struktur direktori seperti ini

```
irfnse@irfnse:~/skripsi/webscraping$ tree .
.
├── app.py
├── csv
│
│
│
├── database
│   ├── db.py
│   └── __pycache__
│       ├── db.cpython-36.pyc
│       ├── db.cpython-37.pyc
│       └── __init__.cpython-37.pyc
├── load.py
├── models
│   ├── model.py
│   └── __pycache__
│       ├── __init__.cpython-37.pyc
│       ├── model.cpython-36.pyc
│       └── model.cpython-37.pyc
├── pdf
│
├── README.md
├── requirements.txt
└── utils
    ├── __pycache__
    │   ├── scraper.cpython-36.pyc
    │   └── scraper.cpython-37.pyc
    └── scraper.py

8 directories, 19 files
```

4. Install requirement.txt dengan cara
   `pip install -r requirements.txt`
5. Lakukan konfigurasi database pada file database/db.py
6. Setelah itu jalankan proses scraping dengan menggunakan perintah
   `Python3 load.py`

```
irfnse@irfnse:~/skripsi/webscraping$ python3 load.py
2022-01-09 14:39:27,136 - Scraper - WARNING - Output directory not specified
2022-01-09 14:39:27,136 - Scraper - INFO - Scrapping start ...
2022-01-09 14:39:31,276 - Scraper - INFO - Downloading pdf/laporan-quickcount-0 from website
2022-01-09 14:39:34,055 - Scraper - INFO - Convert pdf table pilpres to csv ...
2022-01-09 14:39:38,052 - Scraper - INFO - Replace header in csv file ...
2022-01-09 14:39:38,149 - Scraper - INFO - Convert csv completed , filename = csv/laporan-quickcount-0-formatted-pilpres.csv
2022-01-09 14:39:38,150 - Scraper - INFO - Convert pdf table pileg to csv ...
2022-01-09 14:39:39,976 - Scraper - INFO - Replace header in csv file ...
2022-01-09 14:39:39,982 - Scraper - INFO - Convert csv completed , filename = csv/laporan-quickcount-0-formatted-pileg.csv
2022-01-09 14:39:39,982 - Scraper - INFO - Scraping from pdf then load to db.
2022-01-09 14:39:40,257 - Scraper - INFO - Loading data pileg to databases.
2022-01-09 14:39:40,274 - Scraper - INFO - Get data from KPU.
2022-01-09 14:39:40,688 - Scraper - INFO - Loading data KPU to databases
irfnse@irfnse:~/skripsi/webscraping$
```
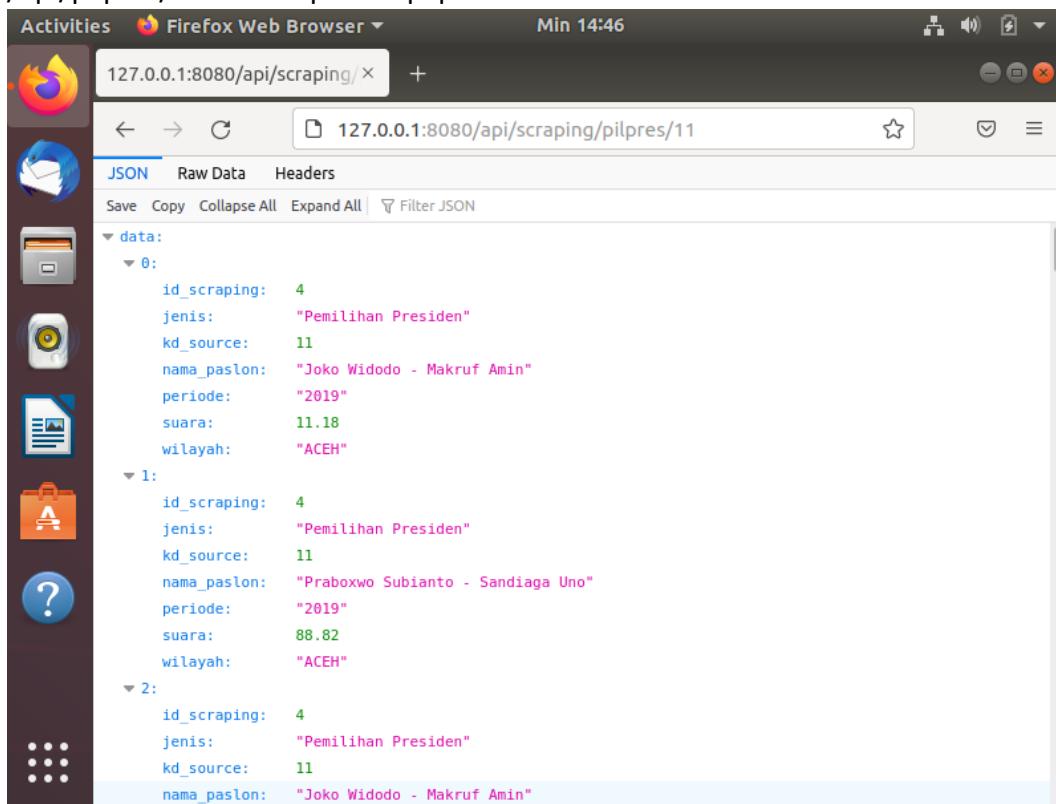
7. Setelah proses scraping selesai, jalankan API dengan menggunakan perintah
   `Python3 load.py`

```
irfnse@irfnse:~/skripsi/webscraping$ python3 app.py
 * Serving Flask app 'app' (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: off
 * Running on http://127.0.0.1:8080/ (Press CTRL+C to quit)
```

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8. Setelah itu buka browser lalu buka url sesuai IP dimana API berjalan dengan uri /api/pilpres/11 untuk api data pilpres