

LAPORAN PRAKTIKUM
PRAKTIK PEMROGRAMAN PYTHON
PRAKTIKUM
WEB SCARPPING



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PS D-III TEKNIK INFORMATIKA
SEKOLAH VOKASI
UNIVERSITAS SEBELAS MARET
2024

A. HASIL DAN PEMBAHASAN

Input

1. Data Gambar

```
def scrape_proxyway_images():
    url = 'https://proxyway.com/news'
    content = fetch_content(url)
    if content:
        soup = BeautifulSoup(content, 'html.parser')
        images_list = []
        images = soup.select('img')
        for image in images:
            src = image.get('src')
            alt = image.get('alt', 'No alt text')
            images_list.append([src, alt])
        save_to_csv(images_list, 'data_gambar.csv', headers=['src', 'alt'])
        for image in images_list:
            print(image)
```

Dengan menjalankan fungsi `scrape_proxyway_images`, Anda mendapatkan daftar URL dan teks alternatif gambar dari halaman <https://proxyway.com/news>, yang dicetak ke konsol dan disimpan ke dalam file `data_gambar.csv`. Ini sangat berguna untuk dokumentasi, analisis konten, dan berbagai aplikasi otomatisasi.

2. Data Subjudul

```
def scrape_proxyway_subtitles():
    url = 'https://proxyway.com/news'
    content = fetch_content(url)
    if content:
        soup = BeautifulSoup(content, 'html.parser')
        paragraphs = soup.find_all('h2')
        subtitles = [[paragraph.text] for paragraph in paragraphs]
        save_to_csv(subtitles, 'subjudul.csv')
        for subtitle in subtitles:
            print(subtitle[0])
```

Dengan menjalankan fungsi `scrape_proxyway_subtitles`, Anda mendapatkan daftar semua teks dari elemen `h2` di halaman <https://proxyway.com/news>, yang dicetak ke konsol dan disimpan ke dalam file `subjudul.csv`. Ini sangat berguna untuk dokumentasi, analisis konten, dan berbagai aplikasi otomatisasi.

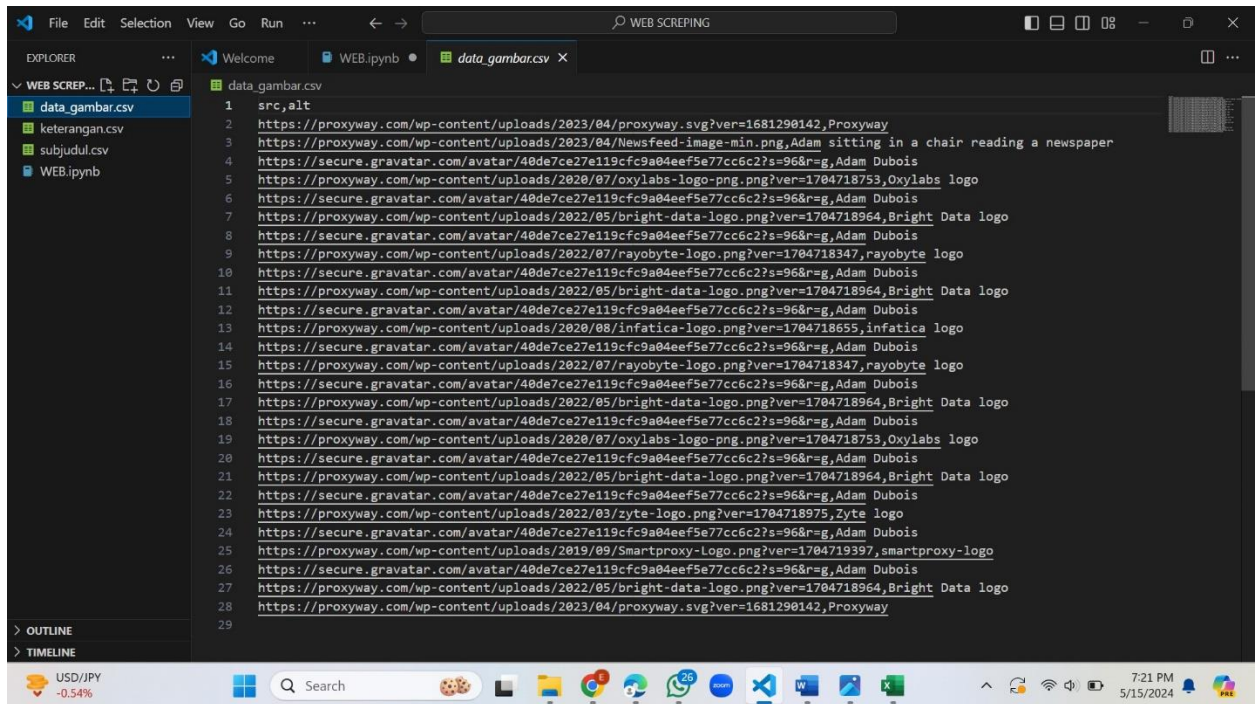
3. Data Keterangan

```
def scrape_proxyway_descriptions():
    url = 'https://proxyway.com/news'
    content = fetch_content(url)
    if content:
        soup = BeautifulSoup(content, 'html.parser')
        div_elements = soup.find_all('div', attrs={'data-widget_type': 'theme-post-excerpt.default'})
        descriptions = []
        for div_element in div_elements:
            inner_div = div_element.find('div', class_='elementor-widget-container')
            if inner_div:
                text_content = inner_div.get_text(strip=True)
                descriptions.append([text_content])
                print(text_content)
        save_to_csv(descriptions, 'keterangan.csv')
```

Dengan menjalankan fungsi `scrape_proxyway_descriptions`, Anda mendapatkan daftar semua deskripsi dari elemen tertentu di halaman <https://proxyway.com/news>, yang dicetak ke konsol dan disimpan ke dalam file `keterangan.csv`. Ini sangat berguna untuk dokumentasi, analisis konten, dan berbagai aplikasi otomatisasi.

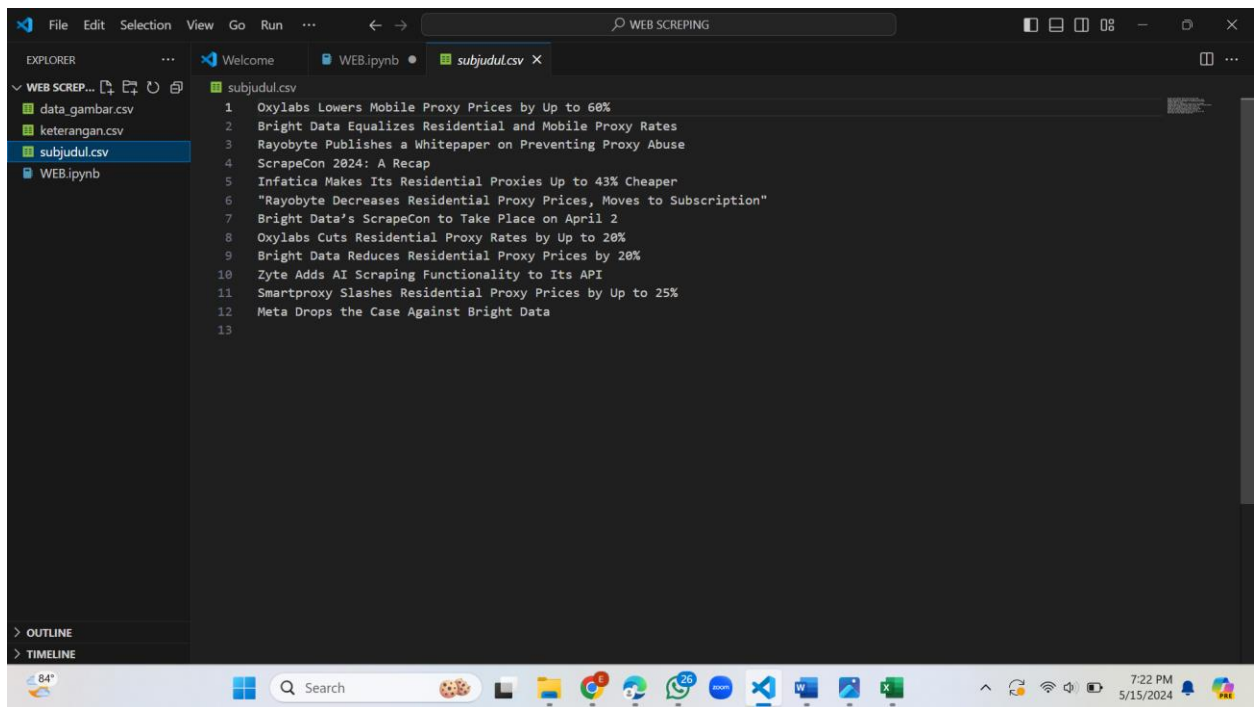
Output:

1. Data Gambar



```
1 src,alt
2 https://proxyway.com/wp-content/uploads/2023/04/proxyway.svg?ver=1681290142,Proxyway
3 https://proxyway.com/wp-content/uploads/2023/04/Newsfeed-image-min.png,Adam sitting in a chair reading a newspaper
4 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
5 https://proxyway.com/wp-content/uploads/2020/07/oxylabs-logo.png.png?ver=1704718753,Oxylabs logo
6 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
7 https://proxyway.com/wp-content/uploads/2022/05/bright-data-logo.png?ver=1704718964,Bright Data logo
8 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
9 https://proxyway.com/wp-content/uploads/2022/07/rayobyte-logo.png?ver=1704718347,rayobyte logo
10 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
11 https://proxyway.com/wp-content/uploads/2022/05/bright-data-logo.png?ver=1704718964,Bright Data logo
12 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
13 https://proxyway.com/wp-content/uploads/2020/08/infatica-logo.png?ver=1704718655,infatica logo
14 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
15 https://proxyway.com/wp-content/uploads/2022/07/rayobyte-logo.png?ver=1704718347,rayobyte logo
16 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
17 https://proxyway.com/wp-content/uploads/2022/05/bright-data-logo.png?ver=1704718964,Bright Data logo
18 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
19 https://proxyway.com/wp-content/uploads/2020/07/oxylabs-logo.png.png?ver=1704718753,Oxylabs logo
20 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
21 https://proxyway.com/wp-content/uploads/2022/05/bright-data-logo.png?ver=1704718964,Bright Data logo
22 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
23 https://proxyway.com/wp-content/uploads/2022/03/zyte-logo.png?ver=1704718975,Zyte logo
24 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
25 https://proxyway.com/wp-content/uploads/2019/09/Smartproxy-Logo.png?ver=1704719397,smartproxy-logo
26 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
27 https://proxyway.com/wp-content/uploads/2022/05/bright-data-logo.png?ver=1704718964,Bright Data logo
28 https://proxyway.com/wp-content/uploads/2023/04/proxyway.svg?ver=1681290142,Proxyway
29
```

2. Data Subjudul



3. Data Keterangan

