

[DAY-11 2211cs020196]Write a Python script to fetch and print the title of a webpage using the 'requests' and 'BeautifulSoup' libraries. Test it with the URL: '<https://example.com>' (<https://example.com>). ¶

In [1]:

```
1 !pip install requests
2 !pip install beautifulsoup4
3
```

```
Requirement already satisfied: requests in d:\python\lib\site-packages (2.31.0)
Requirement already satisfied: charset-normalizer<4,>=2 in d:\python\lib\site-packages (from requests) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in d:\python\lib\site-packages (from requests) (3.4)
Requirement already satisfied: urllib3<3,>=1.21.1 in d:\python\lib\site-packages (from requests) (1.26.16)
Requirement already satisfied: certifi>=2017.4.17 in d:\python\lib\site-packages (from requests) (2023.7.22)
Requirement already satisfied: beautifulsoup4 in d:\python\lib\site-packages (4.12.2)
Requirement already satisfied: soupsieve>1.2 in d:\python\lib\site-packages (from beautifulsoup4) (2.4)
```

```
In [2]: 1 import requests
2 from bs4 import BeautifulSoup
3 def fetch_webpage_title(url):
4     """
5     Fetch and print the title of a webpage.
6
7     Args:
8         url (str): The URL of the webpage to fetch the title from.
9
10    Returns:
11        str: The title of the webpage.
12    """
13    response = requests.get(url)
14    if response.status_code == 200:
15        soup = BeautifulSoup(response.content, 'html.parser')
16        title = soup.title.string
17        return title
18    else:
19        return f"Failed to fetch the webpage. Status code: {response.status_code}"
20 url = 'https://example.com'
21 webpage_title = fetch_webpage_title(url)
22 print(f"Webpage title: {webpage_title}")
23
```

Webpage title: Example Domain

```
In [ ]: 1
```