⌄ Practical No. 2

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Roll no: 16

Class: D16AD

Aim: To collect Data from Social Media Platform using suitable Web Scraping Tools.

Method Used for scrapping:

1. Generate a Personal Access Token:

- Go to your GitHub account settings.
- Navigate to "Developer settings" -> "Personal access tokens."
- Click on "Generate token" and follow the instructions.
- Make sure to grant the necessary permissions for the token.

2. Write python script for web scrapping and put generated token in headers and provide github username whose data you want to scrap.

```python
import requests

def get_user_repositories(username):
    api_url = f'https://api.github.com/users/{username}/repos'

    headers = {'Authorization': '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'}

    response = requests.get(api_url, headers=headers)

    if response.status_code == 200:
        repos = response.json()
        return repos
    else:
        print(f"Error: {response.status_code}")
        return None


username = 'ashishgupta'
user_repos = get_user_repositories(username)

if user_repos:
    print(f"Repositories for {username}:")
    for repo in user_repos:
        print(f"- {repo['name']}")
        print(f"  Description: {repo['description']}")
        print(f"  Stars: {repo['stargazers_count']}")
        print(f"  Forks: {repo['forks_count']}")
        print("\n")
else:
    print("Failed to fetch user repositories.")
```

```
    Repositories for ashishgupta:
    - GreenR-visual-plant-necrosis-analysis-fork
      Description: Disease detection in plant images. Weekend hackathon event at Columbus Ohio.
      Stars: 0
      Forks: 0


    - MRI-QA
      Description: The assessment of quality of MRI is in important precursor to ameliorating biases in subsequent data analysis and preclud
      Stars: 0
      Forks: 0


    - srtm-terrain
      Description: Python opengl srtm terrain
      Stars: 0
      Forks: 0
```

```
- Thesis
  Description: PhD Thesis
  Stars: 0
  Forks: 0
```

Start coding or generate with AI.