

# 205229118

## Mahalakshmi S

### Lab 5. Getting the stargazers of a GitHub Repository

In this lab you will access your GitHub Profile and find the number stargazers of a particular repository

#### Getting User Data

**Install PyGithub requests and get information about your GitHub Profile**

```
In [2]: import requests
from pprint import pprint
username = "maha1410"
url = f"https://api.github.com/users/{username}"
user_data = requests.get(url).json()
pprint(user_data)

{'avatar_url': 'https://avatars.githubusercontent.com/u/75715525?v=4',
 'bio': None,
 'blog': '',
 'company': None,
 'created_at': '2020-12-09T05:14:05Z',
 'email': None,
 'events_url': 'https://api.github.com/users/maha1410/events{/privacy}',
 'followers': 3,
 'followers_url': 'https://api.github.com/users/maha1410/followers',
 'following': 2,
 'following_url': 'https://api.github.com/users/maha1410/following{/other_use
r}',
 'gists_url': 'https://api.github.com/users/maha1410/gists{/gist_id}',
 'gravatar_id': '',
 'hireable': None,
 'html_url': 'https://github.com/maha1410',
 'id': 75715525,
 'location': None,
 'login': 'maha1410',
 'name': None,
 'node_id': 'MDQ6VXNlcjc1NzE1NTI1',
 'organizations_url': 'https://api.github.com/users/maha1410/orgs',
 'public_gists': 0,
 'public_repos': 9,
 'received_events_url': 'https://api.github.com/users/maha1410/received_event
s',
 'repos_url': 'https://api.github.com/users/maha1410/repos',
 'site_admin': False,
 'starred_url': 'https://api.github.com/users/maha1410/starred{/owner}/{/repo}',
 'subscriptions_url': 'https://api.github.com/users/maha1410/subscriptions',
 'twitter_username': None,
 'type': 'User',
 'updated_at': '2021-09-07T05:10:54Z',
 'url': 'https://api.github.com/users/maha1410'}
```

## Getting Public repositories of a user

```
In [8]: import base64
from github import Github
from pprint import pprint
```

```
In [10]: username = "maha1410"
g = Github()
user = g.get_user(username)
for repo in user.get_repos():
    print(repo)
```

```
Repository(full_name="maha1410/cat-dog-flask")
Repository(full_name="maha1410/DVA-LAB")
Repository(full_name="maha1410/GRIP-TSF-Internship")
Repository(full_name="maha1410/IVA_LAB_Assignment")
Repository(full_name="maha1410/NLP-LAB")
Repository(full_name="maha1410/PML")
Repository(full_name="maha1410/pml-ass")
Repository(full_name="maha1410/practical-machine-learning-course")
Repository(full_name="maha1410/SMA-LAB")
```

## Querying for stargazers of a particular repository

### Try this for different GitHub users

```
In [12]: from github import Github
ACCESS_TOKEN = "ghp_chmWICsbHWOP6lTAPUwAIxDbqLCNbk1UazdC"
USER = 'ptwobrussell'
REPO = 'Mining-the-Social-Web'
#REPO = 'Mining-the-Social-Web-2nd-Edition'
client = Github(ACCESS_TOKEN, per_page=100)
user = client.get_user(USER)
repo = user.get_repo(REPO)
stargazers = [ s for s in repo.get_stargazers() ]
print("Number of stargazers", len(stargazers))
```

Number of stargazers 1203