NAME : RAHINI DEVI S

ROLLNO: 225229129

SMA_LAB-2

Querying users connection information using Facebook GraphAPI and retrieving feed and engagement

STEP 1: To get started, log in to your Facebook account and go

```
In [24]: ACCESS_TOKENS = "EAAOE8bCgKl4BAOZCQo0hK5FsufwsRUb4EYHAZBzMCBzFX5cdMJBXQq5BKcVMFNHHd0gQyJnY6WtYrgr5A1GYqAR2boLl4JXguXB2UVitBRWsZAd
```

STEP 2: Install the necessary libraries

```
In [2]: pip install facebook-sdk
```

```
Collecting facebook-sdk
  Downloading facebook_sdk-3.1.0-py2.py3-none-any.whl (7.5 kB)
Requirement already satisfied: requests in c:\users\visit\anaconda3\lib\site-packages (from facebook-sdk) (2.28.1)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\visit\anaconda3\lib\site-packages (from requests->facebook-
sdk) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in c:\users\visit\anaconda3\lib\site-packages (from requests->facebook-sdk) (3.3)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\visit\anaconda3\lib\site-packages (from requests->facebook-sd
k) (1.26.11)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\visit\anaconda3\lib\site-packages (from requests->facebook-sdk)
(2022.9.14)
Installing collected packages: facebook-sdk
Successfully installed facebook-sdk-3.1.0
Note: you may need to restart the kernel to use updated packages.
```

```
In [3]: import facebook
        import urllib3
        import requests
        import json
```

STEP 3: Querying the graph API with python

```
In [25]: def pp(o):
             print(json.dumps(0, indent=1))

         g = facebook.GraphAPI(ACCESS_TOKENS, version='2.10')
         pp(g.get_object("me"))
```

```
0
```

STEP 4:

Get the users connection names - likes,friends,feed,groups. This may require permissions

```
In [26]: pp(g.get_connections(id='me',connection_name='likes'))
```

```
0
```

```
In [27]: pp(g.get_connections(id='me',connection_name='friends'))
```

```
0
```

```
In [28]: pp(g.get_connections(id='me',connection_name='feed'))
```

```
0
```

```
In [29]: pp(g.get_connections(id='me',connection_name='groups'))
```

```
0
```

STEP 5: Get the information about a feed in your facebook page

```
In [30]:  access_token = "EAAOE8bCgKl4BAOZCQo0hK5FsufwsRUb4EYHAZBzMCBzFX5cdMJBXQq5BKcVMFNHHd0gQyJnY6WtYrgr5A1GYqAR2boLl4JXguXB2UVitBRWsZAdg

          graph = facebook.GraphAPI(access_token)

          # Replace <PAGE_ID> with the ID of your Facebook page
          page_info = graph.get_object('105008732674965')

          print(page_info)
```

```
{'name': 'Social Media Analysis', 'id': '105008732674965'}
```

STEP 6: Get the metrics towards engagement of connections towards your Facebook post

```
In [31]:  access_token = "EAAOE8bCgKl4BAOZCQo0hK5FsufwsRUb4EYHAZBzMCBzFX5cdMJBXQq5BKcVMFNHHd0gQyJnY6WtYrgr5A1GYqAR2boLl4JXguXB2UVitBRWsZAdg
          # Replace <POST_ID> with the ID of your Facebook post
          endpoint = f"https://graph.facebook.com/v12.0/113056708524603/insights/post_engaged_users"

          params = {
              'access_token': access_token,
              'metric': 'post_engaged_users,post_engaged_fan',
              'period': 'lifetime'
          }

          response = requests.get(endpoint, params=params)

          print(response.json())
```

```
{'error': {'message': 'Cannot specify metric in both the path and query parameter', 'type': 'OAuthException', 'code': 2500, 'fb
trace_id': 'AYR_GrP-KeisQf3IsmWmKwJ'}}
```

```
In [ ]:
```