Lab2. Querying user's connection using Facebook using the Graph API and retrieving feed and engagement ¶

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Step 1:To get started

```
In [20]: aAkw78gAW6lqnOGtZC3LOIWJR99QmdsoOgoSdr7FyAWLXUJZAYCHMfs6eC5PkmNTAa1rd29fJugbpZCndUvDVtHZAxhj9WwnsmD0zkLxW0VBzTkxLE5I6ZCkXBZCcQZD
```

Step 2:Install the necessary libraries

```
In [22]: import facebook
         import urllib3
         import requests
         import json
```

Step 3:Querying the Graph API with Python

```
In [23]: def pp(o):
             print(json.dumps(o, indent=1))
         g=facebook.GraphAPI(ACCESS_TOKEN, version='2.10')
         pp(g.get_object('me'))

         {
          "name": "Cato A",
          "id": "104428792734619"
         }
```

Step 4: Get the user's connection names - likes, friends, feed, groups

```
In [24]: pp(g.get_connections(id = 'me', connection_name='likes'))

         {
          "data": []
         }
```

```
In [25]: pp(g.get_connections(id = 'me', connection_name='friends'))

         {
          "data": [],
          "summary": {
           "total_count": 0
          }
         }
```

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

```
{
  "data": [
    {
      "created_time": "2002-03-14T08:00:00+0000",
      "id": "104428792734619_104402679403897"
    }
  ],
  "paging": {
    "previous": "https://graph.facebook.com/v17.0/104428792734619/feed?access_token=EAADV1XynNogBAITJHPIISvKcm44XTEfaTQZCFE8tRnZB
WXveSGOwMRiM3WaHanEVbyvNfflJEK2DOa69geZC8PVjh7zZC7jSk5rGjsPqvX9kBVjrAgkG5T1mZCYkYCj6SWPSiDpyaAkw78gAW6lqnOGtZC3LOIWJR99QmdsoOgo
Sdr7FyAWLXUJZAYCHMfs6eC5PkmNTAa1rd29fJugbpZCndUvDVtHZAxhj9WwnsmD0zkLxW0VBzTkxLE5I6ZCkXBZCcQZD+&__previous=1&since=1016092800&un
til&__paging_token=enc_AdDaz6t7femMYL1e0Pv7lCjz9XUOkEBFZC7v6W1g0igT9P9EOULZAsbyEAxUxZBUNRslDAC9BFQQNFr5rC6ZCfQ8cSY0yNDLS1YsU2uh
lnQTVoxamQZDZD",
    "next": "https://graph.facebook.com/v17.0/104428792734619/feed?access_token=EAADV1XynNogBAITJHPIISvKcm44XTEfaTQZCFE8tRnZBWXve
SGOwMRiM3WaHanEVbyvNfflJEK2DOa69geZC8PVjh7zZC7jSk5rGjsPqvX9kBVjrAgkG5T1mZCYkYCj6SWPSiDpyaAkw78gAW6lqnOGtZC3LOIWJR99QmdsoOgoSdr7
FyAWLXUJZAYCHMfs6eC5PkmNTAa1rd29fJugbpZCndUvDVtHZAxhj9WwnsmD0zkLxW0VBzTkxLE5I6ZCkXBZCcQZD+&until=1016092800&since&__paging_toke
n=enc_AdDaz6t7femMYL1e0Pv7lCjz9XUOkEBFZC7v6W1g0igT9P9EOULZAsbyEAxUxZBUNRslDAC9BFQQNFr5rC6ZCfQ8cSY0yNDLS1YsU2uhlnQTVoxamQZDZD&__
previous"
  }
}
```

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

```
{
  "data": [
    {
      "name": "Social Media Analytics",
      "id": "341332812713147"
    },
    {
      "name": "Social Media Analytics",
      "id": "164781063731388"
    }
  ],
  "paging": {
    "cursors": {
      "before": "QVFIUmQxNlItM1ZAFdXdLaG50N1JtbVA4UHFYdlJJYXY5ZAGtKeUdwY0ozV0YyZAUNEc3pvblJ3bURLZAnlVUzFiNEtNbzJWWm9KWmZAtdjZArOGF
pc1dpZAW9TRkpR",
      "after": "QVFIUngxam15REQtelh0czBTY01tNFdMaFZAGa0k2MEtjWjhRdC1ZAeTFKUndDbUgzZA2t6dUVaR2pzSVVnVEJRTjBpY1FxdGJXN2JKMmlOR2sweTN
ITll6bkd3"
    }
  }
}
```

step 5: Get information about a feed in your facebook post

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

```
{
  "data": [
    {
      "created_time": "2002-03-14T08:00:00+0000",
      "id": "104428792734619_104402679403897"
    }
  ],
  "paging": {
    "previous": "https://graph.facebook.com/v17.0/104428792734619/feed?access_token=EAADV1XynNogBAITJHPIISvKcm44XTEfaTQZCFE8tRnZB
WXveSGOwMRiM3WaHanEVbyvNfflJEK2DOa69geZC8PVjh7zZC7jSk5rGjsPqvX9kBVjrAgkG5T1mZCYkYCj6SWPSiDpyaAkw78gAW6lqnOGtZC3LOIWJR99QmdsoOgo
Sdr7FyAWLXUJZAYCHMfs6eC5PkmNTAa1rd29fJugbpZCndUvDVtHZAxhj9WwnsmD0zkLxW0VBzTkxLE5I6ZCkXBZCcQZD+&__previous=1&since=1016092800&un
til&__paging_token=enc_AdDaz6t7femMYL1e0Pv7lCjz9XUOkEBFZC7v6W1g0igT9P9EOULZAsbyEAxUxZBUNRslDAC9BFQQNFr5rC6ZCfQ8cSY0yNDLS1YsU2uh
lnQTVoxamQZDZD",
    "next": "https://graph.facebook.com/v17.0/104428792734619/feed?access_token=EAADV1XynNogBAITJHPIISvKcm44XTEfaTQZCFE8tRnZBWXve
SGOwMRiM3WaHanEVbyvNfflJEK2DOa69geZC8PVjh7zZC7jSk5rGjsPqvX9kBVjrAgkG5T1mZCYkYCj6SWPSiDpyaAkw78gAW6lqnOGtZC3LOIWJR99QmdsoOgoSdr7
FyAWLXUJZAYCHMfs6eC5PkmNTAa1rd29fJugbpZCndUvDVtHZAxhj9WwnsmD0zkLxW0VBzTkxLE5I6ZCkXBZCcQZD+&until=1016092800&since&__paging_toke
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previous"
  }
}
```

step 6: Get the metric towards engagement of connections towards your Facebook

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

```
{
  "data": [
    {
      "created_time": "2002-03-14T08:00:00+0000",
      "id": "104428792734619_104402679403897"
    }
  ],
  "paging": {
    "previous": "https://graph.facebook.com/v17.0/104428792734619/posts?access_token=EAADV1XynNogBAITJHPIISvKcm44XTEfaTQZCFE8tRnZ
BWXveSGOwMRiM3WaHanEVbyvNfflJEK2DOa69geZC8PVjh7zZC7jSk5rGjsPqvX9kBVjrAgkG5T1mZCYkYCj6SWPSiDpyaAkw78gAW6lqnOGtZC3LOIWJR99QmdsoOg
oSdr7FyAWLXUJZAYCHMfs6eC5PkmNTAa1rd29fJugbpZCndUvDVtHZAxhj9WwnsmD0zkLxW0VBzTkxLE5I6ZCkXBZCcQZD+&__previous=1&since=1016092800&u
ntil&__paging_token=enc_AdDaz6t7femMYL1e0Pv7lCjz9XUOkEBFZC7v6W1g0igT9P9EOULZAsbyEAxUxZBUNRslDAC9BFQQNFr5rC6ZCfQ8cSY0yNDLS1YsU2u
hlnQTVoxamQZDZD",
    "next": "https://graph.facebook.com/v17.0/104428792734619/posts?access_token=EAADV1XynNogBAITJHPIISvKcm44XTEfaTQZCFE8tRnZBWXv
eSGOwMRiM3WaHanEVbyvNfflJEK2DOa69geZC8PVjh7zZC7jSk5rGjsPqvX9kBVjrAgkG5T1mZCYkYCj6SWPSiDpyaAkw78gAW6lqnOGtZC3LOIWJR99QmdsoOgoSdr
7FyAWLXUJZAYCHMfs6eC5PkmNTAa1rd29fJugbpZCndUvDVtHZAxhj9WwnsmD0zkLxW0VBzTkxLE5I6ZCkXBZCcQZD+&until=1016092800&since&__paging_tok
en=enc_AdDaz6t7femMYL1e0Pv7lCjz9XUOkEBFZC7v6W1g0igT9P9EOULZAsbyEAxUxZBUNRslDAC9BFQQNFr5rC6ZCfQ8cSY0yNDLS1YsU2uhlnQTVoxamQZDZD&_
_previous"
  }
}
```