Algo Intern Task-1

Manoj

In this task I am re-creating some of the functionalities of instagram like creating users, login of users, adding posts, liking posts, following other users and watching their feed.
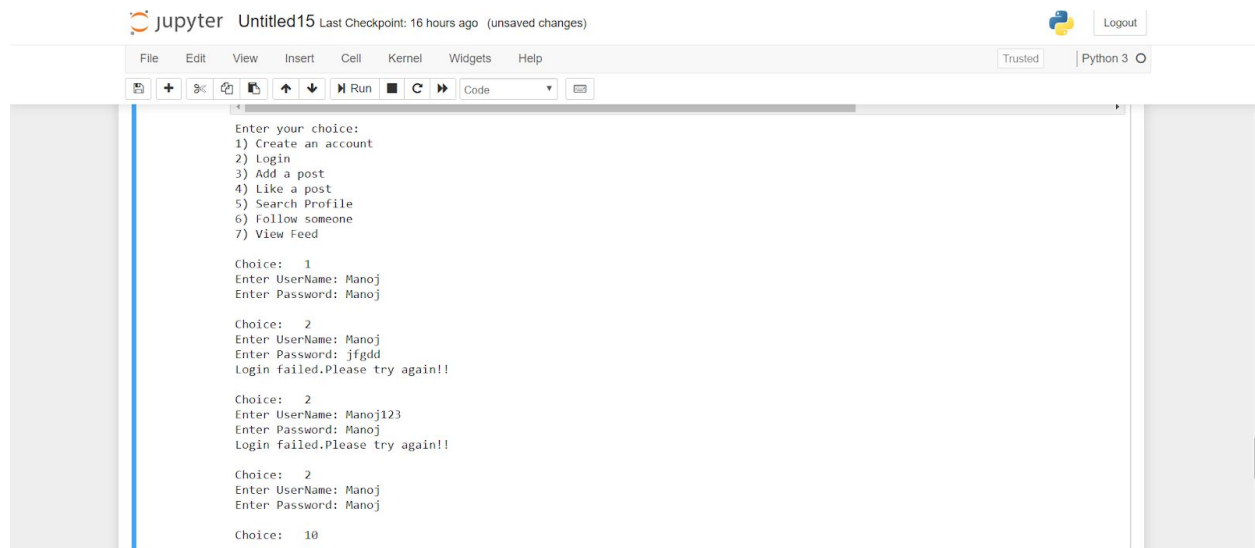
Choice values ranges from 1 to 7:

Choice 1: Create an account

Takes in UserName and Password and creates an object "obj" and adds it to obj_list. Here obj_list keeps track of the list of all the instagram users.

Choice 2: Login

Takes in UserName and Password if that matches with any user in obj_list, it initiates their login value to True.
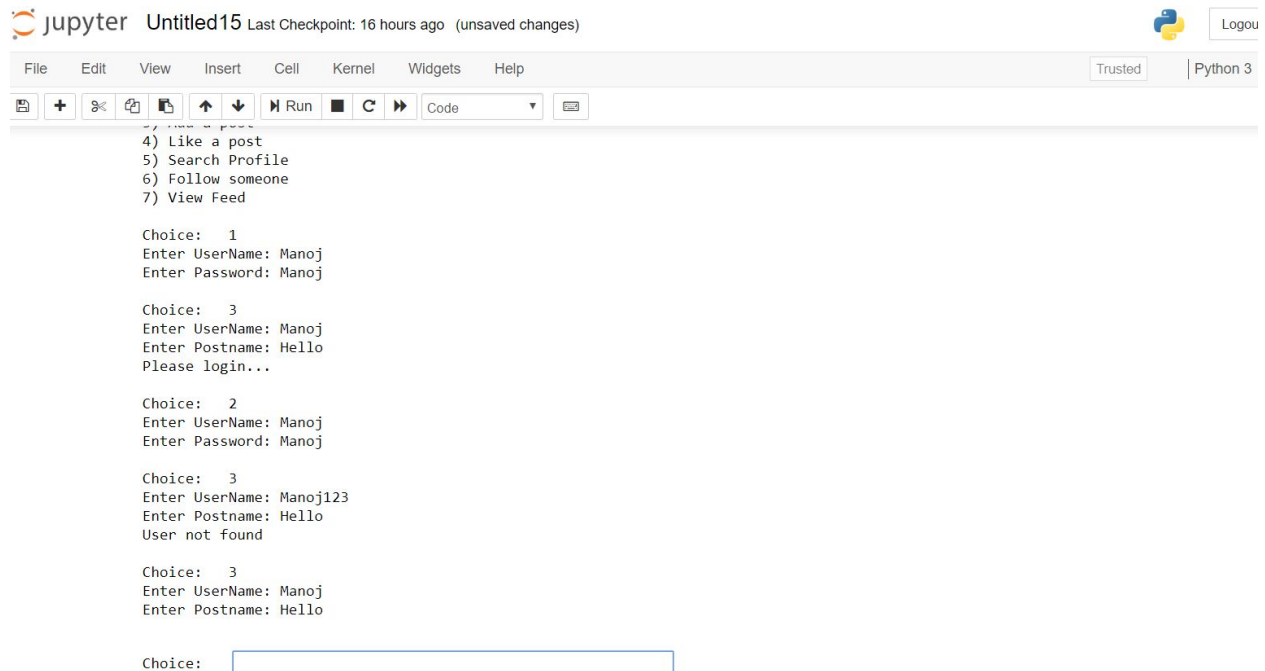If user not found it prints a message

As choice is out of range the method terminated.

Choice 3: Add a post

Takes in Username and Post_name
If user is logged in then it saves the post to the user's profile, user's feed and his followers feed(stack).
Else it prints an error message.

```
3) Add a post
4) Like a post
5) Search Profile
6) Follow someone
7) View Feed

Choice:   1
Enter UserName: Manoj
Enter Password: Manoj

Choice:   3
Enter UserName: Manoj
Enter Postname: Hello
Please login...

Choice:   2
Enter UserName: Manoj
Enter Password: Manoj

Choice:   3
Enter UserName: Manoj123
Enter Postname: Hello
User not found

Choice:   3
Enter UserName: Manoj
Enter Postname: Hello


Choice:    [                              ]
```

Choice 4: Like a post

Takes in YourUsnm(The person who opened instagram to see it)

Takes in pstUsnm(The name of the person who posted the post)

Takes in Post_name

If the user with YourUsnm is logged in it searches for a person with pstUsnm and a post with Post_name belonging to pstUsnm

If it is found, then YourUsnm likes the post(Post_name) of pstUsnm and YourUsnm is added to the likes[] of that post.

Else it prints an error message.

Note: Liking the same post again dislikes the post.

Choice 5: Search Profile

Takes in User1 and User2 as input

If User1 is logged in then if User2 is present in obj_list then User1 can view the profile of User2

Here the profile consists of Name, list of followers, list of following members and its posts showing whether User1 liked a post or not along with the total number of likes.

Else it prints an error message.

```
5) Search Profile
6) Follow someone
7) View Feed

Choice:    1
Enter UserName: Manoj
Enter Password: Manoj

Choice:    1
Enter UserName: Pranav
Enter Password: Pranav

Choice:    2
Enter UserName: Manoj
Enter Password: Manoj

Choice:    3
Enter UserName: Manoj
Enter Postname: Hello

Choice:    4
Enter your UserName: Pranav
Enter UserName of the person who owns the post: Manoj
Enter Postname: Hello
please login...

Choice:    2
Enter UserName: Pranav
Enter Password: Pranav
```

```
Enter UserName: Manoj
Enter Postname: Hello

Choice:    4
Enter your UserName: Pranav
Enter UserName of the person who owns the post: Manoj
Enter Postname: Hello
please login...

Choice:    2
Enter UserName: Pranav
Enter Password: Pranav

Choice:    4
Enter your UserName: Pranav
Enter UserName of the person who owns the post: jhgf
Enter Postname: bgvgh
No such kind of username

Choice:    4
Enter your UserName: Pranav
Enter UserName of the person who owns the post: Manoj
Enter Postname: ffgf
No such posts available

Choice:    4
Enter your UserName: Pranav
Enter UserName of the person who owns the post: Manoj
Enter Postname: Hello
```

```
Choice:    5
Enter your UserName: Pranav
Enter UserName of the person whose profile you wanna open: Manoj
-----------------------------------------------------------------------
Name:  Manoj
Followers:    0
[]
Following:    0
[]
Posts:
Hello                        liked: Yes    total likes:  1
-----------------------------------------------------------------------

Choice:    4
Enter your UserName: Pranav
Enter UserName of the person who owns the post: Manoj
Enter Postname: Hello

Choice:    5
Enter your UserName: Pranav
Enter UserName of the person whose profile you wanna open: Manoj
-----------------------------------------------------------------------
Name:  Manoj
Followers:    0
[]
Following:    0
[]
Posts:
Hello                        liked: No     total likes:  0
-----------------------------------------------------------------------
```

Choice 6: Follow someone

#Takes in User1 and User2

If User1 is logged in and User2 is an valid account then User1 follows User2

The above is indicated by adding User1 to follower list of User2 and also adds User2 to the following list of User1

Else it prints an error message.

Choice 7: View Feed

Takes in User1 as input and if he is logged in it presents the feed of User1 and clears the feed(stack).

This greatly optimizes the space and time and he can view any posts of a person using choice value as 5.

Else it prints an error message.

```
Enter your choice:
1) Create an account
2) Login
3) Add a post
4) Like a post
5) Search Profile
6) Follow someone
7) View Feed

Choice:    1
Enter UserName: Manoj
Enter Password: Manoj

Choice:    1
Enter UserName: Pranav
Enter Password: Pranav

Choice:    1
Enter UserName: Sai
Enter Password: Sai

Choice:    2
Enter UserName: Manoj
Enter Password: Manoj

Choice:    2
Enter UserName: Pranav
Enter Password: Pranav

Choice:    2
```

```
Choice:    2
Enter UserName: Sai
Enter Password: Sai

Choice:    6
Enter your UserName: Manoj
Enter UserName of the person whom you wanna follow: Pranav

Choice:    6
Enter your UserName: Pranav
Enter UserName of the person whom you wanna follow: Sai

Choice:    6
Enter your UserName: Sai
Enter UserName of the person whom you wanna follow: Manoj

Choice:    6
Enter your UserName: Pranav
Enter UserName of the person whom you wanna follow: Manoj

Choice:    3
Enter UserName: Manoj
Enter Postname: Hello

Choice:    3
Enter UserName: Sai
Enter Postname: Hii

Choice:    5
```

```
    Choice:   5
    Enter your UserName: Sai
    Enter UserName of the person whose profile you wanna open: Manoj
    ------------------------------------------------------------------------
    Name:  Manoj
    Followers:   2
    ['Sai', 'Pranav']
    Following:   1
    ['Pranav']
    Posts:
    Hello                    liked: No     total likes:  0
    ------------------------------------------------------------------------

    Choice:   7
    Enter your UserName: Manoj
    UserName:  Manoj      PostName:  Hello      liked: No     total likes:  0

    Choice:   7
    Enter your UserName: Manoj

    Choice:   7
    Enter your UserName: Sai
    UserName:  Sai      PostName:  Hii      liked: No     total likes:  0
    UserName:  Manoj      PostName:  Hello      liked: No     total likes:  0

    Choice:   7
    Enter your UserName: Pranav
    UserName:  Sai      PostName:  Hii      liked: No     total likes:  0
    UserName:  Manoj      PostName:  Hello      liked: No     total likes:  0
```
```
    UserName:  Manoj      PostName:  Hello      liked: No     total likes:  0

  Choice:   4
  Enter your UserName: Pranav
  Enter UserName of the person who owns the post: Manoj
  Enter Postname: Hello

  Choice:   5
  Enter your UserName: Pranav
  Enter UserName of the person whose profile you wanna open: Manoj
  ------------------------------------------------------------------------
  Name:  Manoj
  Followers:   2
  ['Sai', 'Pranav']
  Following:   1
  ['Pranav']
  Posts:
  Hello                    liked: Yes    total likes:  1
  ------------------------------------------------------------------------
```
```
    Choice:   7
    Enter your UserName: Pranav

    Choice:   3
    Enter UserName: Manoj
    Enter Postname: Wassup

    Choice:   7
    Enter your UserName: Pranav
    UserName:  Manoj      PostName:  Wassup      liked: No     total likes:  0

    Choice:   7
    Enter your UserName: Manoj
    UserName:  Manoj      PostName:  Wassup      liked: No     total likes:  0

    Choice:   7
    Enter your UserName: Sai
    UserName:  Manoj      PostName:  Wassup      liked: No     total likes:  0
```
```
    Choice:   4
    Enter your UserName: Pranav
    Enter UserName of the person who owns the post: Manoj
    Enter Postname: Hello

    Choice:   5
    Enter your UserName: Pranav
    Enter UserName of the person whose profile you wanna open: Manoj
    ------------------------------------------------------------------------
    Name:  Manoj
    Followers:   2
    ['Sai', 'Pranav']
    Following:   1
    ['Pranav']
    Posts:
    Hello                    liked: No     total likes:  0
    Wassup                   liked: No     total likes:  0
    ------------------------------------------------------------------------
```

```
Choice:    4
Enter your UserName: Pranav
Enter UserName of the person who owns the post: Manoj
Enter Postname: Wassup

Choice:    5
Enter your UserName: Pranav
Enter UserName of the person whose profile you wanna open: Manoj
-------------------------------------------------------------------------
Name:  Manoj
Followers:    2
['Sai', 'Pranav']
Following:    1
['Pranav']
Posts:
Hello                        liked: No      total likes:  0
Wassup                        liked: Yes     total likes:  1
-------------------------------------------------------------------------
```