

MIDTERM LAB TASK #5

I. PROBLEM

a. Create User Class with the ff: attributes (Use Constructor for this)

- first_name
- last_name
- followers_count
- friends_name [LIST]

Note: You can make a List an attribute of a class

b. Create the ff: methods

- introduce_self – which should output “ Hi I am {first_name} {last_name}
- view_full_profile – which outputs all the information of the user as shown below

Profile Name is Bradd Pitt with 10 followers
Friend are... Juan Pedro Jose

c. Create a separate TestUser class to test if the program is working as expected, allowing for user input to be passed as parameters of the object. Create atleast 2 object instance to test the class template

II. CODE

```
1 class User:
2     def __init__(self, first_name, last_name, followers_count, friends_name):
3         self.first_name = first_name
4         self.last_name = last_name
5         self.followers_count = followers_count
6         self.friends_name = friends_name # list of friend names
7
8     def introduce_self(self):
9         print(f"Hi I am {self.first_name} {self.last_name}")
10
11    def view_full_profile(self):
12        print(f"Profile Name is: {self.first_name} {self.last_name} with {self.followers_count} followers")
13        print(f"Your friends are: {' '.join(self.friends_name)}")
14        print() # blank line for spacing between records
15
16 # Separate Class for Testing
17 class TestUser:
18     def __init__(self):
19         self.user_records = []
20
21     def add_user(self):
22         first_name = input("First Name: ")
23         last_name = input("Last Name: ")
24         followers_count = int(input("Followers: "))
25
26         friends_name = []
27         print("Friends (Enter 'done' to finish):")
28         while True:
29             friend = input()
30             if friend.lower() == 'done':
31                 break
32             friends_name.append(friend)
33
34         # Create a User object and add to list
35         user = User(first_name, last_name, followers_count, friends_name)
36         self.user_records.append(user)
```

```
37
38    def show_all_users(self):
39        print("\nHere are the Records...")
40        print()
41        for user in self.user_records:
42            user.introduce_self()
43            user.view_full_profile()
44
45        print(f"\\nThere are currently {len(self.user_records)} Members in the Social Media page")
46
47 # --- Main Program ---
48 def main():
49     print("=== Users in Social Media ===")
50     test = TestUser()
51
52     while True:
53         choice = input("\nInsert a Record? (y/n): ").lower()
54         if choice == 'y':
55             test.add_user()
56         else:
57             break
58
59     test.show_all_users()
60
61 # Run program
62 if __name__ == "__main__":
63     main()
```

III. SAMPLE OUTPUT

```
=== Users in Social Media ===

Insert a Record? [y/n]: y
First Name: Joseph
Last Name: Cabenta
Followers: 0
Friends (Enter 'done' to finish):
Louie
Aaron
Whey
Maurey
Liann
done

Insert a Record? [y/n]: y
First Name: Sebastian
Last Name: Colonda
Followers: 100000
Friends (Enter 'done' to finish):
Marvin
Ester
done

Insert a Record? [y/n]: n

Here are the Records...

Hi I am Joseph Cabenta
Profile Name is: Joseph Cabenta with 0 followers
Your friends are: Louie Aaron Whey Maurey Maurey Liann

Hi I am Sebastian Colonda
Profile Name is: Sebastian Colonda with 100000 followers
Your friends are: Marvin Ester

There are currently 2 Members in the Social Media page
```