

Midterm Task 5 Creating Class and Instantiating Objects in Python

Problem 1. Users in Social Media

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

```
class Users:
    total_users = 0

    def __init__(self, first_name, last_name, follower_count, friend_name):
        self.first_name = first_name
        self.last_name = last_name
        self.follower_count = follower_count
        self.friend_name = friend_name # this is a list
        Users.total_users += 1

    def introduce_self(self):
        print(f"\nHi I am {self.first_name} {self.last_name}")

    def view_profile(self):
        print(f"Profile Name is {self.first_name} {self.last_name} with {self.follower_count} followers")
        print("Your friends are:", ", ".join(self.friend_name))
```

```
from pythawn import Users

def main():
    profiles = []

    while True:
        record = input("\nInsert a Record?[y/n]: ")
```

```
    if record.lower() == 'y':
        first_name = input("First Name: ")
        last_name = input("Last Name: ")
        follower_count = int(input("Followers: "))

        friend_name = []
        print("Friends (enter 3 friends): ")

        for i in range(3):
            friend = input("")
            friend_name.append(friend)

        profiles.append(Users(first_name, last_name, follower_count,
friend_name))

    elif record.lower() == 'n':
        print("\nHere are the Records...")
        for p in profiles:
            p.introduce_self()
            p.view_profile()
        print(f"\nThere are currently {Users.total_users} Members in the
Social Media page")
        break
    else:
        print("Invalid Choice [y/n]")

if __name__ == "__main__":
    main()
```