

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

SAMPLE OUTPUT

```
Insert a Record?[y|n]: y
First Name: Dexter
Last Name: Soriano
Followers: 20m
Friends (comma-separated): tan, charles, james
Insert a Record?[y|n]: y
First Name: pep
Last Name: ito
Followers: 30k
Friends (comma-separated): kurt, jessie, chan
Insert a Record?[y|n]: n
Here are the Records....
Hi I am Dexter Soriano
Profile Name is Dexter Soriano with 20m followers. Your friends are: tan, charles, james
Hi I am pep ito
Profile Name is pep ito with 30k followers. Your friends are: kurt, jessie, chan
There are currently 2 Members in the Social Media page

...Program finished with exit code 0
Press ENTER to exit console.
```

CODE

Class User:

```
def __init__(self, first_name, last_name, followers_count, friends_name):  
    self.first_name = first_name  
    self.last_name = last_name  
    self.followers_count = followers_count  
    self.friends_name = friends_name  
  
def introduce_self(self):  
    return f"Hi I am {self.first_name} {self.last_name}"  
  
def view_full_profile(self):  
    friends_str = ", ".join(self.friends_name)  
    return f"Profile Name is {self.first_name} {self.last_name} with {self.followers_count} followers. Your friends are:  
{friends_str}"
```

class TestUser:

```
def __init__(self):  
    self.users = []  
  
def create_user(self):  
    while True:  
        insert_record = input("Insert a Record?[y|n]: ")  
        if insert_record.lower() != 'y':  
            break  
  
        first_name = input("First Name: ")  
        last_name = input("Last Name: ")  
        followers_count = str(input("Followers: "))
```

```
friends_input = input("Friends (comma-separated): ")
friends_name = [friend.strip() for friend in friends_input.split(",")]

user = User(first_name, last_name, followers_count, friends_name)
self.users.append(user)
```

```
def display_records(self):
    print("Here are the Records....")
    for user in self.users:
        print(user.introduce_self())
        print(user.view_full_profile())
    print(f"There are currently {len(self.users)} Members in the Social Media page")
```

Example usage:

```
test_user = TestUser()
test_user.create_user()
test_user.display_records()
```