

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 1:

Insert a Record?[y|n]:y

First Name: Bradd

Last Name: Pitt

Followers:10

Friends:

Juan

Pedro

Jose

Insert a Record?[y|n]:y

First Name: Tom

Last Name: Cruise

Followers:100

Friends:

Juan

Pedro

Jose

Insert a Record?[y|n]:n

Here are the Records....

Hi I am Bradd Pitt

Profile Name is: Bradd Pitt with 10 followers

Your friends are: Juan Pedro Jose

Hi I am Tom Cruise

Profile Name is: Tom Cruise with 100 followers

Your friends are: Juan Pedro Jose

There are currently 2 Members in the Social Media page

Rubric:

1. Completeness of the code requirements – 10
2. Correctness of the expected input and output - 10
3. Use of proper naming conventions – 5

Source 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.\nYour friends are: {friends_str}"

class TestUser:
    def __init__(self):
        self.users = []

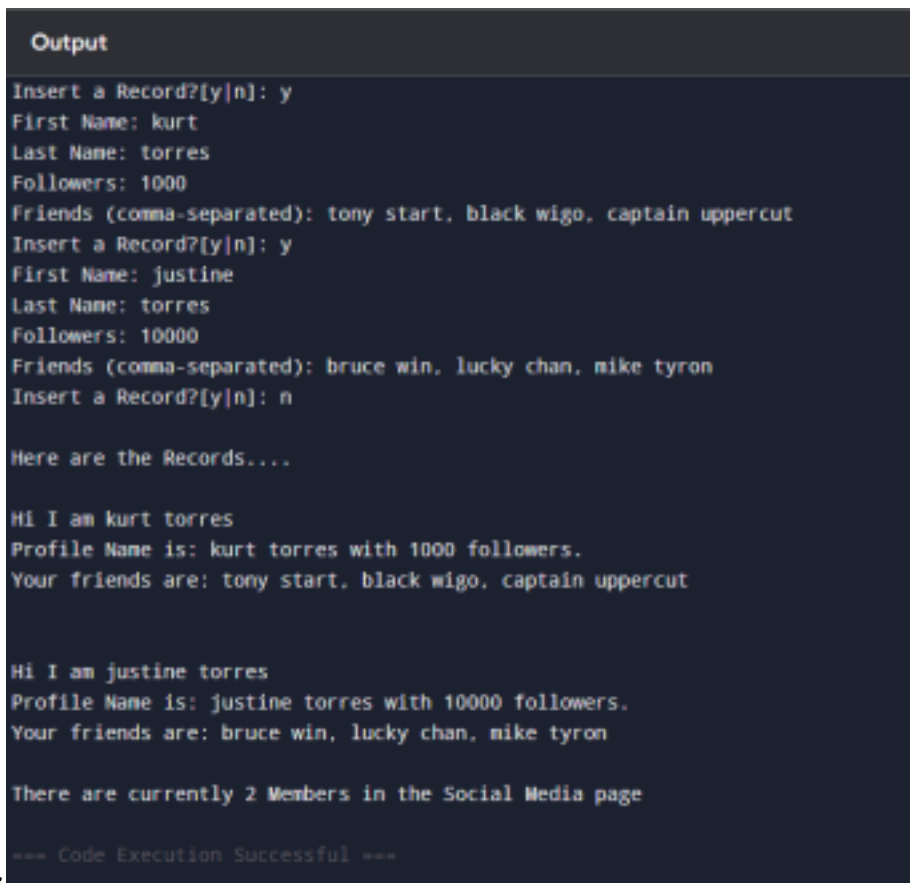
    def create_user(self):
        while True:
            insert_record = input("Insert a Record?[y|n]: ")
            if insert_record.lower() == 'n':
                break
            elif insert_record.lower() == 'y':
                first_name = input("First Name: ")
                last_name = input("Last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

```
print("Invalid Input! Please Try Again.")
```

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

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



```
Output  
Insert a Record?[y|n]: y  
First Name: kurt  
Last Name: torres  
Followers: 1000  
Friends (comma-separated): tony start, black wigo, captain uppercute  
Insert a Record?[y|n]: y  
First Name: justine  
Last Name: torres  
Followers: 10000  
Friends (comma-separated): bruce win, lucky chan, mike tyron  
Insert a Record?[y|n]: n  
  
Here are the Records....  
  
Hi I am kurt torres  
Profile Name is: kurt torres with 1000 followers.  
Your friends are: tony start, black wigo, captain uppercute  
  
Hi I am justine torres  
Profile Name is: justine torres with 10000 followers.  
Your friends are: bruce win, lucky chan, mike tyron  
  
There are currently 2 Members in the Social Media page  
  
=== Code Execution Successful ===
```

Sample Output: