

## 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

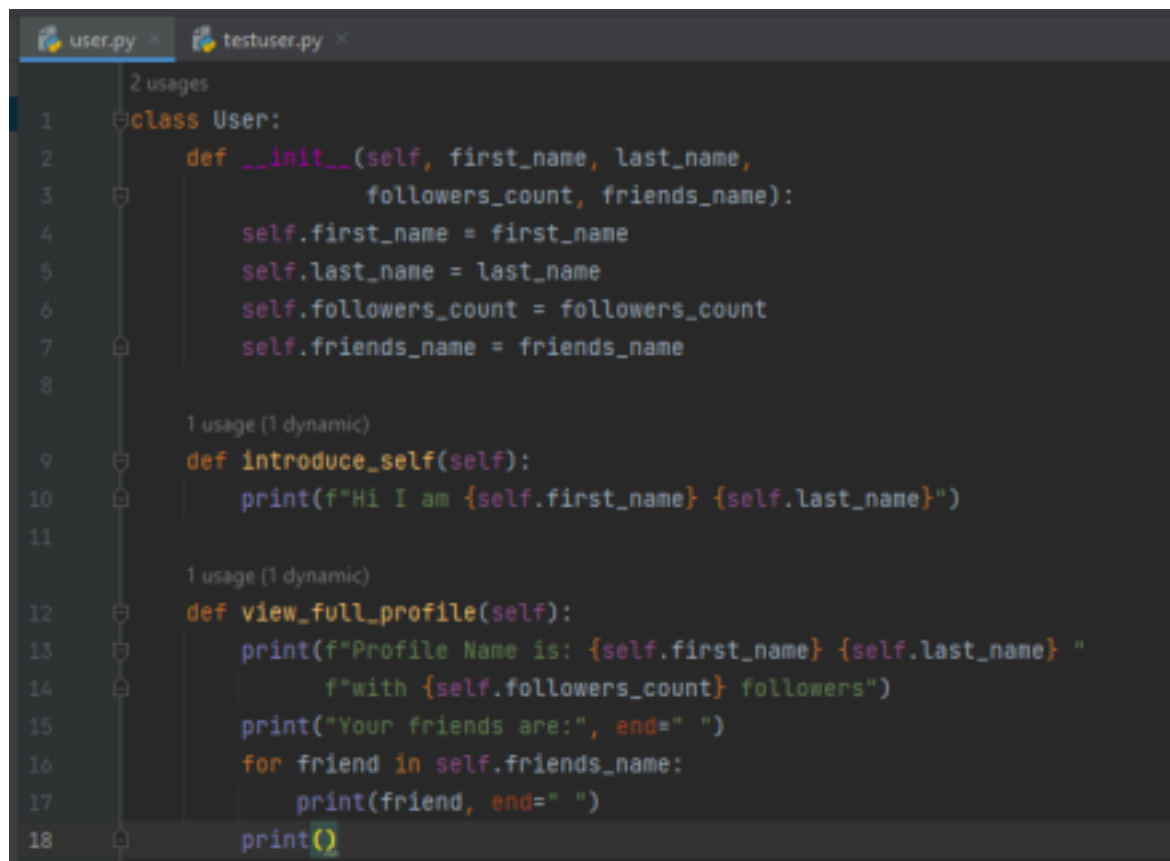
b. Create the ff: methods

- 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

#### CODE:



```
user.py x testuser.py x
2 usages
1 class User:
2     def __init__(self, first_name, last_name,
3         followers_count, friends_name):
4         self.first_name = first_name
5         self.last_name = last_name
6         self.followers_count = followers_count
7         self.friends_name = friends_name
8
9     def introduce_self(self):
10        print(f"Hi I am {self.first_name} {self.last_name}")
11
12    def view_full_profile(self):
13        print(f"Profile Name is: {self.first_name} {self.last_name} "
14            f"with {self.followers_count} followers")
15        print("Your friends are:", end=" ")
16        for friend in self.friends_name:
17            print(friend, end=" ")
18        print()
```

```

1  from user import User
2  1 usage
3  class TestUser:
4      def __init__(self):
5          self.users = []
6
7      1 usage
8      def add_user(self):
9          first = input("First Name: ")
10         last = input("Last Name: ")
11         followers = int(input("Followers: "))
12         print("Friends: ")
13         friends = []
14         for _ in range(3):
15             friend = input()
16             friends.append(friend)
17
18         user = User(first,last,followers,friends)
19         self.users.append(user)
20
21     1 usage
22     def show_all_records(self):
23         print("\nHere are the Records...\n")
24         for user in self.users:
25             user.introduce_self()
26             user.view_full_profile()
27             print()
28         print(f"There are currently {len(self.users)} Members in the Social Media page")

```

```

1  1 usage
2  def main():
3      test = TestUser()
4      while True:
5          choice = input("Insert a Record? (y/n): ").lower()
6          if choice == 'y':
7              test.add_user()
8          elif choice == 'n':
9              break
10         else:
11             print("Invalid Choice!")
12
13     test.show_all_records()
14
15  if __name__ == "__main__":
16     main()

```

OUTPUT:

```
testuser x
C:\Users\COMLAB\AppData\Local\Programs\Python\Python311\python.exe
Insert a Record? (y/n): y
First Name: Sherry
Last Name: Hegale
Followers: 2500
Friends:
Andy
Brad
Casey
Insert a Record? (y/n): y
First Name: Nicole
Last Name: Fried
Followers: 400
Friends:
Gary
Snail
Bob
Insert a Record? (y/n): g
Invalid Choice!
Insert a Record? (y/n): n

Here are the Records...

Hi I am Sherry Hegale
Profile Name is: Sherry Hegale with 2500 followers
Your friends are: Andy Brad Casey

Hi I am Nicole Fried
Profile Name is: Nicole Fried with 400 followers
Your friends are: Gary Snail Bob

There are currently 2 Members in the Social Media page

Process finished with exit code 0
|
```