

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 User: 4 usages
    tot_user = 0

    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
        User.tot_user += 1

    def introduce_self(self): 1 usage (1 dynamic)
        print(f"Hi I am {self.first_name} {self.last_name}")

    def view_full_profile(self): 1 usage (1 dynamic)
        print(f"Profile Name is {self.first_name} {self.last_name} with {self.followers_count} followers")

        print("Friends are...", end=" ")
        for friend in self.friends_name:
            print(friend, end=" ")
        print() # for new line
```

```
usage
def main():
    users = []

    while True:
        choice = input("Insert a Record?[y/n]:")
        if choice.lower() == "y":
            first_name = input("First Name: ")
            last_name = input("Last Name: ")
            followers_count = int(input("Followers: "))

            print("Friends:")
            friends = []
            while True:
                f = input()
                if f == "":
                    break
                friends.append(f)

            users.append(User(first_name, last_name, followers_count, friends))
        else:
            break

    print("\n...Here are the Records...")
    for u in users:
        u.introduce_self()
        u.view_full_profile()
        print()

    print(f"There is/are {User.tot_user} objects created..")

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

Mangalino, Chriselle C.

BSCS C203

```
C:\Users\COMLAB\PycharmProjects\pythonProject2\venv\Scripts\py
```

```
Insert a Record?[y/n]:y
```

```
First Name: chriselle
```

```
Last Name: mangalino
```

```
Followers: 2
```

```
Friends:
```

```
she
```

```
vilma
```

```
Insert a Record?[y/n]:n
```

```
...Here are the Records...
```

```
Hi I am chriselle mangalino
```

```
Profile Name is chriselle mangalino with 2 followers
```

```
Friend are... she vilma
```

```
There is/are 1 objects created...
```

```
Process finished with exit code 0
```