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C204

Creating Class and Instantiating Objects in Python

Problem 1. Users in Social Media

Sample Code:

```python
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):
        print(f"Hi I am {self.first_name} {self.last_name}")

    def view_full_profile(self):
        print(f"Profile Name is: {self.first_name} {self.last_name} with {self.followers_count} followers")
        print("Your friends are:", " ".join(self.friends_name))


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

    def run(self):
        while True:
            add_record = input("Insert a Record?[y|n]:").lower()
            if add_record == 'n':
                break
            elif add_record == 'y':
                first_name = input("First Name: ")
                last_name = input("Last Name: ")
                followers = int(input("Followers: "))
                print("Friends:")
                friends = []
                while True:
                    friend = input()
                    if friend == "":
                        break
                    friends.append(friend)
                user = User(first_name, last_name, followers, friends)
                self.users.append(user)
            else:
                print("Invalid input, please type 'y' or 'n'.")

        print("\nHere are the Records….\n")
        for user in self.users:
            user.introduce_self()
            user.view_full_profile()
            print()

        print(f"There are currently {len(self.users)} Members in the Social Media page")


# Main program
if __name__ == "__main__":
    test = TestUser()
    test.run()
```

Sample Output:

```
Insert a Record?[y|n]:y
First Name: Mikha
Last Name: Lim
Followers: 10
Friends:
maloi
sheena
colet

Insert a Record?[y|n]:y
First Name: Aiah
Last Name: Arceta
Followers: 10
Friends:
gwen
stacey
jhoanna

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

```
Here are the Records….

Hi I am Mikha Lim
Profile Name is: Mikha Lim with 10 followers
Your friends are: maloi sheena colet

Hi I am Aiah Arceta
Profile Name is: Aiah Arceta with 10 followers
Your friends are: gwen stacey jhoanna


There are currently 2 Members in the Social Media page
```