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C204

## Midterm Task 5

### Creating Class and Instantiating Objects in Python

#### SAMPLE CODE

```
1 class User:
2     def __init__(self, first_name, last_name, followers_count, friends_name):
3         self.first_name = first_name
4         self.last_name = last_name
5         self.followers_count = followers_count
6         self.friends_name = friends_name # List of friends
7
8     def introduce_self(self):
9         print(f"Hi I am {self.first_name} {self.last_name}")
10
11    def view_full_profile(self):
12        friends_str = " ".join(self.friends_name)
13        print(f"Profile Name is: {self.first_name} {self.last_name} with {self.followers_count} followers")
14        print(f"Your friends are: {friends_str}\n")
15
16
17 class TestUser:
18     def __init__(self):
19         self.users = []
20
21    def run(self):
22        while True:
23            choice = input("Insert a Record?[y|n]: ").lower()
24            if choice == 'n':
25                break
26            elif choice == 'y':
27                first_name = input("First Name: ")
28                last_name = input("Last Name: ")
29                followers = int(input("Followers: "))
30                print("Friends:")
31                friends = []
32                while True:
33                    friend = input()
34                    if friend == "":
35                        break
36                    friends.append(friend)
37                user = User(first_name, last_name, followers, friends)
38                self.users.append(user)
39            else:
40                print("Invalid input. Please type 'y' or 'n'.")
41
42        print("\nHere are the Records...\n")
43        for user in self.users:
44            user.introduce_self()
45            user.view_full_profile()
46        print(f"There are currently {len(self.users)} Members in the Social Media page")
47
48
49 # Run the test
50 if __name__ == "__main__":
51     test = TestUser()
52     test.run()
53
```

#### SAMPLE OUTPUT

```
Insert a Record?[y|n]: y
First Name: Loren
Last Name: Bonillo
Followers: 10000
Friends:
Mae
Mariz
Thea
Maurey
```

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

Here are the Records...

Hi I am Loren Bonillo
Profile Name is: Loren Bonillo with 1000 followers
Your friends are: Tyron Keanna Dabid Maurey

There are currently 1 Members in the Social Media page
```