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C204 BSCS

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

```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):

        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. Your 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() != 'y':

                break
```

```python
        first_name = input("First Name: ")

        last_name = input("Last Name: ")

        followers_count = str(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)


    def display_records(self):
        print("\nHere are the Records....")
        for user in self.users:

            print(user.introduce_self())

            print(user.view_full_profile())

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


# Example usage:

test_user = TestUser()

test_user.create_user()

test_user.display_records()
```

Sample Output:

```
Insert a Record?[y|n]: y
First Name: Christian Clark
Last Name: Gatil
Followers: 1000
Friends (comma-separated): Chan, Lex, Kurt, James
Insert a Record?[y|n]: Y
First Name: Lexter
Last Name: Gabon
Followers: 500000000
Friends (comma-separated): Christian, Chan, Chano, Jamey, Chalresy
Insert a Record?[y|n]: y
First Name: Jemes
Last Name: Bilyar
Followers: 2500001231
Friends (comma-separated):
Insert a Record?[y|n]: N

Here are the Records....
Hi I am Christian Clark Gatil
Profile Name is Christian Clark Gatil with 1000 followers. Your friends are: Cha
n, Lex, Kurt, James

Hi I am Lexter Gabon
Profile Name is Lexter Gabon with 500000000 followers. Your friends are: Christi
an, Chan, Chano, Jamey, Chalresy

Hi I am Jemes Bilyar
Profile Name is Jemes Bilyar with 2500001231 followers. Your friends are:

There are currently 3 Members in the Social Media page


...Program finished with exit code 0
Press ENTER to exit console.
```