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

Sample Output 1:

Insert a Record?[y|n]:y

First Name: Bradd
Last Name: Pitt
Followers:10
Friends:
Juan
Pedro
Jose

Insert a Record?[y|n]:y

First Name: Tom
Last Name: Cruise
Followers:100
Friends:
Juan
Pedro
Jose

Insert a Record?[y|n]:n

Here are the Records….

Hi I am Bradd Pitt
Profile Name is: Bradd Pitt with 10 followers
Your friends are: Juan Pedro Jose

Hi I am Tom Cruise
Profile Name is: Tom Cruise with 100 followers
Your friends are: Juan Pedro Jose

There are currently 2 Members in the Social Media page

Rubric:

1. Completeness of the code requirements – 10
2. Correctness of the expected input and output - 10
3. Use of proper naming conventions – 5

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```
Insert a Record?[y|n]: y
First Name: Gabriel
Last Name: Angeles
Followers: 3
Friends:
Enrique
Apple
Broddy

Insert a Record?[y|n]: n

Here are the Records….

Hi I am Gabriel Angeles
Profile Name is: Gabriel Angeles with 3 followers
Your friends are: Enrique Apple Broddy

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

```python
# User Class
class User:
    # Constructor
    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

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

    # Method 2: view_full_profile
    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))
        print()
```

```python
# TestUser Class
class TestUser:
    def __init__(self):
        self.users = []

    def add_user(self):
        while True:
            choice = input("Insert a Record?[y|n]: ").lower().strip()
            if choice == "n":
                break
            elif choice == "y":
                first = input("First Name: ")
                last = input("Last Name: ")
                followers = int(input("Followers: "))

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

                # Create User Object
                user = User(first, last, followers, friends)
                self.users.append(user)
            else:
                print("Invalid input. Please enter 'y' or 'n'.")

    def show_all_users(self):
        print("\nHere are the Records....")
        print()
        for user in self.users:
            user.introduce_self()
            user.view_full_profile()
        print(f"There are currently {len(self.users)} Members in the Social Media page")


# Main Program
if __name__ == "__main__":
    test = TestUser()
    test.add_user()
    test.show_all_users()
```