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Problem 1

Source Code:

```python
class User:

    def __init__(self, first_name, last_name, followers_count, friends_name):
        """Constructor to initialize user attributes"""
        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(f"Your friends are: {' '.join(self.friends_name)}")

class TestUser:

    def __init__(self):
        """Constructor to initialize list of users"""
        self.users = []

    def create_users(self):
        """Method to create user objects based on user input"""
```

```python
        while True:
            choice = input("Insert a Record?[y|n]:").lower()
            if choice == 'y':
                # Get user input
                first_name = input("First Name: ")
                last_name = input("Last Name: ")
                followers_count = int(input("Followers:"))
                # Get friends list
                print("Friends:")
                friends_name = []
                while True:
                    friend = input()
                    if friend == "":
                        break
                    friends_name.append(friend)
                # Create user object and add to list
                user = User(first_name, last_name, followers_count, friends_name)
                self.users.append(user)
            elif choice == 'n':
                break
            else:
                print("Invalid choice. Please enter 'y' or 'n'.")

    def display_all_users(self):
        if self.users:
            print("Here are the Records....")
            for user in self.users:
                user.introduce_self()
                user.view_full_profile()
```

```
        print("\n")

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

    else:

        print("No users to display.")


# Main program execution

if __name__ == "__main__":

    test = TestUser()

    test.create_users()

    test.display_all_users()
```

Sample Output (SS):

```
Insert a Record?[y|n]:n
Here are the Records....
Hi I am Taylor Swift
Profile Name is: Taylor Swift with 250 followers
Your friends are: Selena Ed Blake


Hi I am Alex Chen
Profile Name is: Alex Chen with 45 followers
Your friends are: Mike Sarah Kevin Lisa


Hi I am Maria Santos
Profile Name is: Maria Santos with 8 followers
Your friends are: Juan Anna Carlos


Hi I am Jake Morrison
Profile Name is: Jake Morrison with 1500 followers
Your friends are: Chris Emma Daniel Olivia Sophie


There are currently 4 Members in the Social Media page

=== Code Execution Successful ===
```