



**Activity Sheet 05B**  
**Application of Linked List**

Requirement: Given the program on your hand-outs in Linked List, modify that program in order to accept information for science club members. First, ask the user to input how many members information will be entered into the system. Using a linked list, the program should accept information such as first name, middle name, last name, area code, telephone number, gender, and age. Upon giving the needed information of each member, the system will display the information of each member. Use appropriate data types for each member of the linked list. Name your file as Act5\_MyLinkedList\_XXX\_YYY.java. Replace XXX with your surname and YYY with your section. (Eg. Act5\_MyLinkedList\_Masangcap\_SD2A.java) Take note that the whole package must be submitted in this activity. Kindly compress your package before attaching it in the assignment task in the Google Classroom.

Sample Output:

How many members' information will be entered? 2

Kindly give the information of member #1

Enter first name: Shaan Emmanuel

Enter middle name: Garcia

Enter last name: Masangcap

Enter area code: 047

Enter telephone number: 111-2222

Enter gender: male

Enter age: 21

Kindly give the information of member #2

Enter first name: Jaimie Ces Arianne

Enter middle name: Paquibot

Enter last name: Garcia

Enter area code: 047

Enter telephone number: 222-3333

Enter gender: female

Enter age: 18

The system will ask  
the user to input  
information of science  
club members.

Welcome to the club Shaan Emmanuel Garcia Masangcap!

Your area code and telephone number is (047) 111-2222.

You are a male member and your age is 21.

Welcome to the club Jaimie Ces Arianne Paquibot Garcia!

Your area code and telephone number are (047) 222-3333.

You are a female member and your age is 18.

The system will  
display all members  
information.



```
10 import java.util.Scanner;
11 public class Act5_MyLinkedList_Perillo_NW2C {
12     public static void main(String[] args) {
13         Scanner scan= new Scanner(System.in);
14         //This will be use for creating a linklist for a specific subject
15         LinkedList FName = new LinkedList();
16         LinkedList Mname = new LinkedList();
17         LinkedList Lname = new LinkedList();
18         LinkedList AreaCode = new LinkedList();
19         LinkedList Telnum = new LinkedList();
20         LinkedList Gender = new LinkedList();
21         LinkedList Age = new LinkedList();
22
23         System.out.print("How many members information will be entered? ");
24         int memcount = scan.nextInt(); //Mcount variable is use as a contain
25         scan.nextLine();
26
27         for(int i = 0; i < memcount;i++){
28             int count = i;
29             count++; //count++ is use in order to assure that the counting w
30
31             System.out.println();
32
33             //this will ask the information from the user that will be store i
34             System.out.println("Kindly give the information of member " + count);
35             System.out.print("Enter firstname: ");
36             String fname = scan.nextLine();
37             System.out.print("Enter middle name: ");
38             String mname = scan.nextLine();
39             System.out.print("Enter last name: ");
40             String lname = scan.nextLine();
41             System.out.print("Enter area code: ");
```

Output - assignment (run) #2

run:

How many members information will be entered? 2

Kindly give the information of member 1

Enter firstname: Shaan Emmanuel

Enter middle name: Garcia

Enter last name: Masangcap

Enter area code: 047

Enter telephone number: 111-2222

Enter gender: male

Enter age: 21

Kindly give the information of member 2

Enter firstname: Jaimie Ces Arianne

Enter middle name: Paquibot

Enter last name: Garcia

Enter area code: 047

Enter telephone number: 222-3333

Enter gender: female

Enter age: 18

Welcome to the club Shaan Emmanuel Garcia Masangcap!

Your area code and telephone number is (047)111-2222.

You are male member and your age is 21.

Welcome to the club Jaimie Ces Arianne Paquibot Garcia!

Your area code and telephone number is (047)222-3333.

You are female member and your age is 18.

BUILD SUCCESSFUL (total time: 1 minute 4 seconds)