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BS INFORMATION TECHNOLOGY – NW2C   WEEK #5 - ACTIVITY

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

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

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

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.

The system will display all members information

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.

```java
10      * @author paolo
11      */
12     import java.util.LinkedList;
13     import java.util.Scanner;
14     public class Act5_MyLinkedList_Austria_NW2C {
15
16
17
18         public static void main(String[] args) {
19
20             Scanner s = new Scanner(System.in);
21             //This will be use for creating a linklist for a specific subject
22             LinkedList firstname = new LinkedList();
23             LinkedList middlename = new LinkedList();
24             LinkedList lastname = new LinkedList();
25             LinkedList areaCode = new LinkedList();
26             LinkedList telNum = new LinkedList();
27             LinkedList gender = new LinkedList();
28             LinkedList agePer = new LinkedList();
29
30             System.out.print("How many members information will be entered? ");
31             int Mcount = s.nextInt(); //Mcount variable is use as a container for how many membe
32             s.nextLine();
33
34             for(int i = 0; i < Mcount;i++){
35                 int count = i;
36                 count++; //count++ is use in order to assure that the counting will start at 1
37
38             System.out.println();
39
40                 //this will ask the information from the user that will be store in a linkedlist
41             System.out.println("Kindly give the information of member " + count);
42             System.out.print("Enter firstname: ");
43             String fname = s.nextLine();
44             System.out.print("Enter middle name: ");
45             String Mname = s.nextLine();
46             System.out.print("Enter last name: ");
47             String Lname = s.nextLine();
48             System.out.print("Enter area code: ");
49             int Acode = s.nextInt();
50             s.nextLine();
51             System.out.print("Enter telephone number: ");
52             String Tnum = s.nextLine();
53             System.out.print("Enter gender: ");
54             String gen = s.nextLine();
55             System.out.print("Enter age: ");
56             int age = s.nextInt();
57             s.nextLine();
58
59
60             System.out.println();
```