

LAB LINKED LIST

Lab sheet	: Applying Linked List in programming.
Estimated Time	: 2 hours
Objective	: To implement a Linked List concept in Java Tools
Requirements	: Java Tools
Procedure	: Read all the question and answer the questions
Conclusion	: Once completing the lab exercise, student should be able to write Java code application that applies Linked List.

1. Declare a list to hold a collection string of names. Then perform the following operations:
 - a. Add new 5 element (2 at front, 2 at back) into a list
 - b. Delete last n first element from a list
 - c. The number of element in a list
 - d. To determine either the name exist or not in a list
 - e. Print all the name in a list

Write a program to solve the problem by using linkedList class.

2. You are given the Customer class as follows:

```
Public class Customer
{
    String name;
    Int ic;
    String address;
    Int phoneNumber;

    //method def. – Setter, getter, processor, printer
}
```

Write a program to solve the following problems:

- i. To insert some data at front of the list
- ii. To insert some data at back of the list
- iii. To remove some data based on ic
- iv. To find and display the customer info. based on phoneNumber
- v. To count how many cust in the list