

LAB-III

Date: **Aug 15, 2024.**

You need to upload your solutions of Q1 and Q2 (Q3 is optional) to canvas portal before 11:30pm on Aug 15, 2024.

1. Write a program that performs the following tasks.
 - (a) create a linked-list
 - (b) Insert a node at the beginning of the list
 - (c) Insert a node at the end of the list
 - (d) Insert a node before a node with a given value
 - (e) Delete the node at the beginning of the list
 - (f) Delete the node at the end of the list
 - (g) Delete the node with a given value.
2. Write a program to reverse a linked list using (a) iterative method (b) recursion.
3. Repeat the tasks given in Q1 for circular linked list and doubly linked list.