Data Structures Lab, B.Tech 2nd Semester

Instructions

1. This is only for practice. No need to submit it.

2. Complete it by 5:00 PM today. Your completion will be reviewed by the Teaching Assistants.

Practice Assignment 4

1. (a) Write a C program to delete a node at a given position in a singly linked list. The position is given by the user

   (b) Create a menu-driven program to perform the following operations on a circular singly linked list and doubly linked list:

      i. Insertion (at beginning, end, or specific position)
      ii. Deletion (by position or value)
      iii. Traversal (forward and reverse)
      iv. Searching for a value
      v. Reversing the list.

   (c) Implement a function to split a doubly linked list into two at a given position.

   (d) Write a program to remove all duplicate values from a doubly linked list.