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 3

1. (a) Write a function in C to traverse and print a singly linked list.

   (b) Write a function in C to insert an item after a given node in a singly linked list.

   (c) Write a function in C that prints every second node in a linked list.

   (d) Given a singly linked list, write a function to traverse and print its elements in reverse order without modifying the list.

   (e) Write a function that counts the number of nodes in a linked list without using a loop.

   (f) Write a function to insert a node in a sorted linked list such that the list remains sorted.