

Data structures Lab

Exercise -5

Date:11/8/25

Stack, Queue and linked list applications

Preparation:

1. Write an algorithm to implement circular queue using arrays.
2. Write an algorithm to implement circular queue using LL
3. Write an algorithm for expression conversion (infix to postfix)
4. Write an algorithm for polynomial addition.

Spot

5. Write a program to create a new linked list called ODDEVEN from the two linked lists, namely, ODD and EVEN. The new list consists of elements from ODD and EVEN. The elements in the new linked list are ordered in such a way that each element of EVEN precedes each element of ODD.
6. Write a program to insert elements into sorted DLL