

Lab Evaluation 1

Q1. Write C/C++ program statements for the following operations.

1. Write a program to Create a Circular Linked List
2. Write a Function to add New node on given position in circular linked list
3. Write a Function to delete all odd positioned nodes from a circular linked list and return head pointer of updated list.
4. Write a Function to Display Circular Linked List

Q2. Write C/C++ program statements for the following operations.

1. Write a program to Create a Doubly Linked List
2. Write a Function to add New node on given position in Doubly Linked List
3. Write a function to determine pairs in a doubly-linked list whose sum equals the provided value 'val'. (Let elements in DLL are sorted)
4. Write a Function to Display Pairs.

Q3. Write C/C++ program statements for the following operations.

1. Write a Program to Create two sorted singly LinkedList (List1 and List2)
2. Write a function to add new node on given position in list.
3. Write a function to find intersection of List1 and List2, return new head pointer of new intersection list.
4. Write a function to display the list.