

LAB 7

Singly Linked List

Note: Write all programs in c using function.

Singly linked list

1. Write a function Insert_Beginning() to insert a new node at the beginning of singly linked list. Call this function N time to create a linked list with N nodes. Also write display function to print the linked list.
2. Write a menu driven program using switch-case to insert the node at beginning, from specified position and at the end of linked list.
3. Write a menu driven program to delete the node from the beginning, from from specified position and from the end of linked list.
4. WAP to reverse the singly linked list.
5. WAP to search an element in the linked list.
6. Assume you have given a start pointer of a singly linked list. Write a program to find the middle node in the given linked list.