

## CSE2011 DSA Lab Practice Question Singly Linked List

1- Write a program (preferably in C) to insert the element in singly linked list at the following location

- a) At beginning consider the case where no elements are present in list and another where elements are already present in the list.
- b) At given location (also include the cases for after given location and before given location.
- c) at the end
- d) Display the total inserted elements in list.

2- Write a program to calculate the total number of elements present in linked list

3- Write a program for the various cases of deletion:

- a) delete the element at the end
- b) delete the element at first position
- c) delete the element at given position by user

4) Write a program where you have to insert the element in a singly linked list after one given item (consider each item appear only once in the list). Perform the deletion operation for the node which appears after the given item.