Data Structures (Lab)
Assignment- 3 (Linked List-1)

1. WAP to implement Linked List.
    a. Create a linked list.
    b. Insert an element at the start of the linked list.
    c. Insert an element at the end of the linked list.
    d. Insert an element before an existing element whose information is *x* in a linked list.
    e. Insert an element after an existing element whose information is *x* in a linked list.
    f. Delete the first element of the linked list.
    g. Delete the last element of the linked list.
    h. Delete the element whose information is *x* from a linked list.
    i. Display the contents of the linked list.
2. WAP to find the length of the Linked List using recursion.
3. WAP to concatenate two Linked Lists.
4. WAP to delete duplicate elements from a sorted Linked List.
5. WAP to delete every alternate element of the Linked List.
6. WAP to check whether the Linked List is a palindrome or not.
7. WAP to reverse a Linked List.