Lab 4
Singly Linked List

Note: Write all programs using function and pointer concept.

1. Write a C Program to create the linked list.
2. Write a C Program to append the nodes into linked list.
3. Write a C Program to insert the node at Beginning, after specified position and at the end of linked list.
4. Write a C Program to delete the node at Beginning, after specified position and at the end of linked list.
5. Write a C Program to merge two singly linked list. Merged linked list should have distinct elements.
6. Write a C Program to reverse the linked list.
7. Write a C Program to find out the number of node in linked list using recursion.
8. Write a C Program to compare two linked list with respect to a number of nodes.
9. Write a C Program to copy linked list from one to another.
10. Write a C Program to sort linked list by
    a. swapping of data elements
    b. readjusting the links