

# Assignment – 01

## Operations:

Insertion at beginning – insertAtBeg(int data)

Insertion at end – insertAtEnd(int data)

Insertion at given position – insertAtPos(int data, int pos)

Insertion at given position – insertAtPos(Node n, int pos)

Deletion at beginning – deleteAtBeg()

Deletion at end - deleteAtEnd()

Deletion at given position - deleteAtPos(int pos)

Deletion at given position - deleteAtPos(int data)

Deletion at given position – deleteAtPos(Node n)

Display the linked list

Search a Node – search(int data)

Search a Node – search(Node n)

**Q. 1 Write the program to perform above operations on singly linked list. (Without using tail).**

**Q. 2 Write the program to perform above operations on singly linked list. (By using tail)**

**Q. 3 Write the program to perform above operations on doubly linked list. (Without using tail)**

**Q. 4 Write the program to perform above operations on doubly linked list. (By using tail)**

**Q. 5 Write the program to perform above operations on circular linked list. (Without using tail)**

**Q. 6 Write the program to perform above operations on circular linked list. (By using tail)**