**CS-252 :: DS LAB**

1. Write a C program to perform the following operations on singly linked list

(i) insertion (ii) reversing the list

1. Write a C program to perform the following operations on singly linked list.

(i) deletion (ii) search an element

1. Write a C program to perform the following operations on Double linked list.

(i) insertion (ii) search an element

1. Write a C program to implement Heap Sort.
2. Write a C program to perform sorting operation on single linked list.
3. Write a C program to implement stack using linked lists.
4. Write a C program to implement stack using arrays.
5. Write a C program to convert infix expression to postfix expression.
6. Write a C program to implement bubble and insertion Sort.
7. Write a C program to implement evaluation of postfix expression.
8. Write a C program to implement Queues using arrays.
9. Write a C program to implement Queues using linked list.
10. Write a C program to perform insertion and search operations on Circular linked list.
11. If L1 and L2 are two sorted singly linked lists, Write a C program to perform L1 U L2.
12. Write a C program to implement binary search and linear search programs.
13. Write a C program to perform deletion operation on Circular linked list.

1. Write a C program to perform deletion operation on Double linked list.
2. Write a C program to construct Binary search tree and to perform the following operations.

(i)Insertion (ii) Find\_min (iii) Find\_max

1. Write a C program to construct Binary search tree and perform Deletion operation.
2. Write a C program to implement the Binary tree traversals.
3. Write a C program to implement delimiter matching.
4. Write a C program to implement Circular Queue using arrays.