List of experiments DSL

1. Write a menu driven C Program to implement stack using arrays - implement Peek, Push and POP operation
2. Write a menu driven C program to implement Queue using arrays - Implement Enqueue and dequeue
3. Write a menu driven C Program to implement stack using linked list - implement Peek, Push and POP operation
4. Write a menu driven C program to implement Queue using linked list - Implement Enqueue and dequeue
5. Write a menu driven C program to implement linked list and perform following operations- Creation of linked list, adding node at the begining, deletion from the front
6. Write a menu driven C program to implement linked list and perform following operations- Creation of linked list,adding in between(after a given node or after given position), deletion at the end
7. Write a menu driven C program to implement linked list and perform following operations- Creation of linked list, reversing a linked list, searching a node in the list
8. Write a menu driven C program to implement binary search tree and perform following operations- insert and find methods
9. Write a menu driven C program to implement binary search tree and perform following operations- insert and find methods and perform traversal on the tree.
10. Write a menu driven C program to implement binary search tree and perform following operations- insert and

find methods and perform deletion of a node using case a and case b.

11. Write a menu driven C program to implement graph using following methods creategraph() and insert_edge(), Delete_edge(), Insert_node(), delete_node()

12. Write a c program to implement selection sort algorithm and discuss its time complexity

13. Write a c program to implement merge sort algorithm and discuss its time complexity

14. Write a C program to implement hashing using divisive method and linear probing for collision resolution

15. Write a C program to implement infix to postfix conversion and evaluation of postfix expression

16. Write a C program to implement traversal of a directed graph through BFS

17. Write a C program to implement traversal of a directed graph through DFS

18. Write a c program to implement insertion sort algorithm and discuss its time complexity