

## Lab Assignment 8

### Program:

- a. Implement a menu-driven stack using array and structure for following operations:
  - i. Insert an element
  - ii. Traverse a stack
  - iii. Delete the element
- b. Implement a menu-driven Linear queue using array and structure for following operations:
  - i. Insert an element
  - ii. Traverse a queue
  - iii. Delete the element

### Lab File Writing:

1. Stack
  - a. Representation of stack using Array and structure.
  - b. Algorithm of each operation
  - c. Time complexity of each operation
2. Queue
  - a. Representation of Queue using Array and structure.
  - b. Algorithm of each operation
  - c. Time complexity of each operation
3. Conclusion

### Note:

Upload the zip file of .c and screenshot. Code should be modular and add necessary comments.