

## **Practice Lab Assignment 4**

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For this Practice Lab Assignment, you will write programs in C implementing the concepts of **Stacks and Queues**.

#### **Instructions**

- There are 3 questions in this assignment.
- Any discussion with neighbor/or any other student is strictly not allowed.
- Mobile phones are not allowed. If found, disciplinary action may be taken.

**Due Date: This is only a Practice Lab so no submission is required.**

#### **Grading Criteria**

No Grading Criteria.

### **Programming Questions**

1. Write a C program to implement Mergesort.
2. Write a program in C to implement a QUEUE using two Stacks. (That is the elements should be inserted in queue in the same order in which they are inserted into the stack.)
3. Write a C program for implementation of various operations (Insertion and Deletion) on a circular queue.