

## **Practice Lab Assignment 3**

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

#### **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 Quicksort.
2. Write a program in C which gives the solution to the Towers of Hanoi problem for n disks. Test the program using (a) n = 3 and (b) n = 4.
3. Write a C program using pointers to implement a stack.