

## **CS102 - Lab 3 - 12/05/2023**

### **problem1**

Write a C program to demonstrate the various operations of the simple queue such as enqueue, dequeue and display. The program should be menu driven.

### **problem2**

Write a C program to demonstrate the various operations of the circular queue (both implementations discussed in the class) such as enqueue, dequeue and display. The program should be menu driven.

### **problem3**

Write a C program to demonstrate the various operations of the double ended queue such as insert\_rear, insert\_front, delete\_rear, delete\_front and display. The program should be menu driven.

### **problem4**

Write a C program to solve the tower of hanoi problem using:

- i. recursion and
- ii. stack data structure