

# Assignment – 02

**Q. 1 Write the program to implement Stack using Array and perform following operations on it.**

- boolean isEmpty()
- boolean isFull()
- void push(int data)
- int pop()
- int peek()

**Q. 2 Write the program to implement Stack using Linked List and perform following operations on it.**

- boolean isEmpty()
- void push(int data)
- int pop()
- int peek()

**Q. 3 Write the program to implement Queue using Array and perform following operations on it.**

- boolean isEmpty()
- boolean isFull()
- void enqueue(int data)
- int dequeue()
- int peek()
- int rear()

**Q. 4 Write the program to implement Queue using Linked List and perform following operations on it.**

- boolean isEmpty()
- void enqueue(int data)
- int dequeue()
- int peek()
- int rear()