

Lab Assignment: Double-Ended Queue (Deque) using Array

Problem Statement

Implement a Double-Ended Queue (Deque) using arrays. The deque should support insertion and deletion from both ends.

Function Signatures

- void insertFront(int value);
- void insertRear(int value);
- int deleteFront();
- int deleteRear();
- int isFull();
- int isEmpty();
- void display();

Example

Input:

```
insertRear(10)
insertRear(20)
insertFront(5)
deleteRear()
insertFront(15)
display()
```

Output:

```
Deque elements are: 15 5 10
```