

Week 4 :-

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```
int A[SIZE]
front <-- 1
rear <-- 1
Enqueue(x)
{
    if (Isfull())
        printf("Queue is Full")
    else if (IsEmpty())
    {
        front <- rear <- 0
    }
    else
    {
        rear <- rear + 1
    }
    A[rear] <- x
}
```

```
Dequeue()
{
    if (IsEmpty())
        printf("Queue is Empty")
    else if (front == rear)
    {
        front <- rear <- -1
    }
    else
    {
        front <- front + 1
    }
}
```

IsFull ()

```
{
    if (rear == size(a)-1)
        return True
    else
        return False
}
```

IsEmpty

```
{
    if front == -1 && rear == -1)
        return true
    else
        return false
}
```