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Queue Implementation

```
A[SIZE]
FRONT <--1
Rear <--1

IS Full()
{
if (rear ==SIZE-1)
    return True
else
 return False
}

IS Empty()
{
if (front ==-1 && rear ==-1)
   return True
else
 return False
}

En queue(x)
{
 if (is Full())
 Print f("Q is Full")
 else if (is empty())
  front <-rear<-0
```

Teacher's Signature :

```
else
rear <- rear+1
A[rear]=x
}

Dequeue()
{
if (IsEmpty())
printf("Q is Empty")
else if (front==rear)
 x <- A[front]
 front <- rear <--1
 else
 {x <-A[front]
 front<-rear <--1
else
 { x<-A[front]
 front<-front+1
 }
 return x
 }
```