NAME: T.VAGHDEVI PRAVEEN
USN: 1BM19CS175

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
}

Enqueue (x)
{

If (Is full())
Print ("Q is full")
else if (Is Empty())
front <- rear <- 0
else
rear <- rear+1
A[rear] = x
}
```

```
Dequeue()
{

 If (Is Empty ())
printf (" Q is Empty")
 else if (front == rear)
 x <- A [front]
  front <- rear <-1
  else
{

x <- A [front]
 front <- front +1
}

return x
}
```