LAB 5

A[SIZE]

FRONT = -1

REAR = -1

```
Is_Full()
{
If (front == (front+1) % N)
   return True
  else
   return False
}
IsEmpty()
{
If (front == -1 && rear == -1)
     return true
       else
   return False
```

```
Enqueue (x)
{
 If (isFull())
 print ("Q is Full")
else if (is Empty())
  front <- rear = 0
else
 rear <-(rear+1) % N
  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 <- (front +1)%N
     }
      return x }
```