

MUHAMMAD ABU BAKAR

BCS_192012

Initialization

rear = -1

Front = -1

Is empty()

if(front == -1 && rear == -1)

Return true

Else

False

IsFULL()

If (rear == size(arr)-1)

Return true

Else

False

Enqueuevalue(x)

If isfull()

Return;

Else if (isEmpty)

front=rear=0;

Else

Front++

Rear++

arr[rear]=x

dequeuevalue(x)

If isEmpty

Return;

Else if (front==rear)

x=arr[front]

front=rear=-1

Else

{

x=arr[front]

front++

```
}  
Retunr x
```