Pseudo Code

Circular Queue

```
A [SIZE]
FRONT = -1
REAR = -1


IsFull()
{
    if (front == (rear+1) % N)
        return True

    else
        return False
}

IsEmpty ()
{
    if (front == -1 && rear == -1)
        return True

    else
        return False
}


Enqueue (2)
{
    if (is Full ())
```

```
            Printf ("Q is full")
    else if (Is Empty ())
            front <- rear <= 0
    else
        rear    <- (rear +1) % N

        A[rear] = x
    }


Dequeue()
{

    if (Is Empty ())
        printf ("Q is Empty")
    else if (front == rear)
        x <- A[front]
            fron <- rear <-- 1
    else
    {
        x <- A[front]
        frant <- (front +1) % N
    }

    return x
}
```