

Pseudo code for queue

```
int A[SIZE]
```

```
front = -1
```

```
rear = -1
```

```
enqueue (x)
```

```
{ if (is full ())
```

```
    printf ("Queue is full")
```

```
else if (is empty ())
```

```
    { front = rear = 0
```

```
    }
```

```
else { rear = rear + 1
```

```
    }
```

```
    A[rear] = x
```

```
}
```

```
Dequeue()
```

```
{ if (is empty ())
```

```
    printf ("Queue is empty")
```

```
else if (front == rear)
```

```
    { front = rear = -1
```

```
    }
```

```
else
```

```
    { front = front + 1
```

```
    }
```

```
}
```


isFull()

```
< if (rear == size(a) - 1)
    return True
else
    return False
>
```

is Empty

```
< if (front == -1 && rear == -1)
    return True
else
    return False
>
```