Implementation of circular queue

To implement circular queue, we need to perform following operations-

Enqueue

1. check if the queue is full
2. for the first element, set value of FRONT to 0
3. circularly increase the REAR index by 1 (i.e. if the rear reaches the end, next it would be at the start of the queue)
4. add the new element in the position pointed to by REA

Dequeue

1. check if the queue is empty
2. return the value pointed by FRONT
3. circularly increase the FRONT index by 1
4. for the last element, reset the values of FRONT and REAR to -1

isempty

isfull

display

**Time Complexity**

* Enqueue and Dequeue operations- **O(1)**

**Image to show the insertion**



