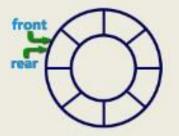
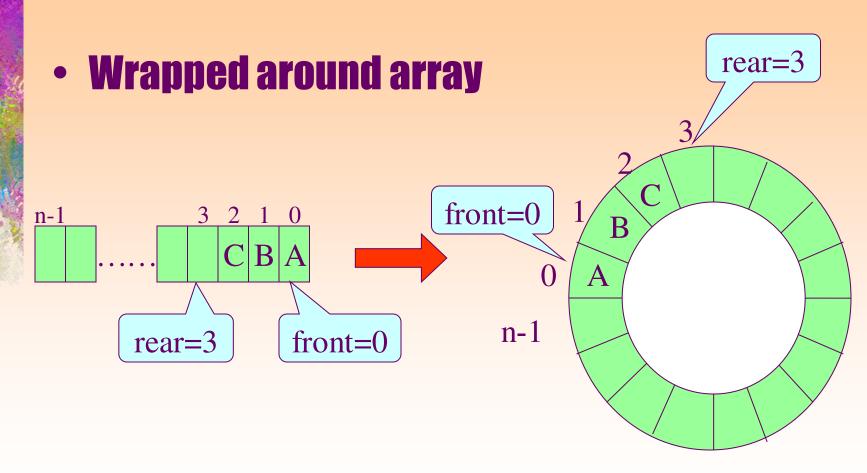
G-Queues



- A Circular Queue can be defined as follows...
- Circular Queue is a linear data structure in which the operations are performed based on FIFO (First In First Out) principle and the last position is connected back to the first position to make a circle.
- Graphical representation of a circular queue is as follows...

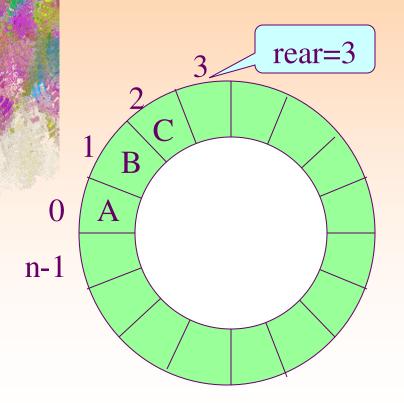


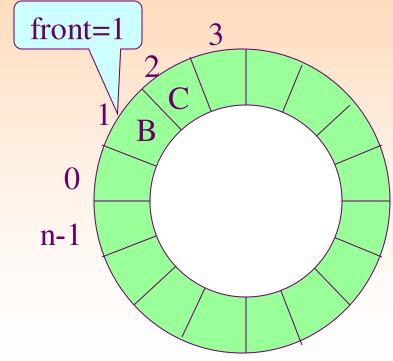






- EnQueue
 - rear = (rear + 1) MOD n
- DeQueue
 - front = (front + 1) MOD n







Empty/Full In Circular Array

- When rear equals front, Queue is empty
- When (rear + 1) MOD n equals front, Queue is full
- Circular array with capacity nat most can hold n-fitems.