

Linear Queue

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Arr[5]

Front

Front end : pop (dequeue)
Rear end : push (enqueue)

[-1]	[0]	[1]	[2]	[3]	[4]

rear

Push (enqueue) :

- 1) Check if Queue is not full
- 2) Increment the rear by 1
- 3) Insert the element at the rear position
- 4) If(front == -1) front = 0;

Queue full condition : rear == size-1

Queue empty condition : rear == -1 || front > rear

Pop(dequeue) :

- 1) Check queue is not empty.
- 2) Increment the front by 1