Algorithm of Linear queue: FIFO

1. Declare necessary variable:
   size=5, front=0, rear=-1, queue[size], count=0

2. For **Enqueue** operation:
   Check queue full or not
   If queue is full i.e. **rear==size-1**

   Display "**The queue is full**" message.
   Stop.

   else **or if queue is not full**

   Read the data/element to be stored
   Increment rear by 1 **i.e. rear=rear+1**
   queue[rear]=newdata
   Increment count by 1 **i.e. count++**

3. To enqueue next data, repeat step 2.

4. For **Dequeue** operation:
   Check queue is empty or not
   If queue is empty i.e. **rear<front**

   Display "**The queue is empty**" message.
   Stop.

   else **or if queue is not empty**
   Display the value of **queue[front]**
   Increment front by 1 **i.e front=front+1**
   Decrement count by 1 **i.e. count--**

5. To dequeue next data, repeat step 4.
6. Stop