***sort the elements in the queue using only one stack***

*1.* ***\*\*Enqueueing Elements\*\*:***

*- Begin by enqueueing all elements from the original queue into the stack.*

*2.* ***\*\*Sorting in Stack\*\*:***

*- While the stack is not empty, pop an element from the stack.*

*- If the popped element is greater than or equal to the front element of the queue, enqueue it into the queue.*

*- Otherwise, while the front element of the queue is greater than the popped element, dequeue an element from the queue and push it into the stack.*

*- Once the popped element is successfully inserted into the queue in the correct position, repeat the process until the stack is empty.*

*3.* ***\*\*Dequeueing Elements\*\*:***

*- Now, all elements are in the queue in ascending order.*

*- Dequeue all elements from the queue and enqueue them back into the original queue.*

*4.* ***\*\*Result\*\*:***

*- After completing the above steps, the original queue will contain the sorted elements.*

*This approach effectively sorts the elements in the queue using limited additional space equivalent to one stack.*