**Tutorial/Lab8.2**

Q1 Convert the circular array queue implementation available in LMS to a priority queue, by modifying only the enqueue() function. Implement and test your solution.

Hint: modify enqueue() to insert the new item to the correct position in the queue, so that queue will be always sorted in the descending order by the value of its items, from head to tail of the queue. Then existing dequeue function will automatically dequeue the item with the highset value from the head end of the queue.

Q2 How would you archive the same outcome – the circular queue to behave as a priority queue - by changing only the dequeue() function? Implement and test your solution.