

Code : Max Priority Queue

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Implement the class for Max Priority Queue which includes following functions -

1. **getSize** -

Return the size of priority queue i.e. number of elements present in the priority queue.

2. **isEmpty** -

Check if priority queue is empty or not. Return true or false accordingly.

3. **insert** -

Given an element, insert that element in the priority queue at the correct position.

4. **getMax** -

Return the maximum element present in the priority queue without deleting. Return -Infinity if priority queue is empty.

5. **removeMax** -

Delete and return the maximum element present in the priority queue. Return -Infinity if priority queue is empty.

Note : main function is given for your reference which we are using internally to test the class.