Comparison

Insertion sort	Quick sort	Heap sort
For small arrays or already sorted arrays, insertion sort works faster than the other two algorithms with a time complexity of $\theta(n)$, and it's easy to implement.	Quick sort is easier to implement than heap sort and is usually faster than insertion sort and heap sort.	Heapsort guaranteed time complexity of O(n log n), meanwhile only has O(1) space complexity. But it's not as stable as other two algorithms. It can be used in OS priority queues, which is to find the max value.