

# Extra Problems: Sorting

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In this module, we covered the concepts and various problems related to Sorting:

- Introduction to Sorting
- Merge sort
- Count no of inversions
- Quick sort
- Kth smallest and largest element
- Counting sort

As a competitive programmer, you should be practising enough problems to master a topic. The [code studio](#) portal offers multiple problems under the tag of 'sorting'.

Additionally, we recommend practising these problems from the popular CP platforms to strengthen your concepts further.

## Sorting

### Easy:

- ☐ <https://www.spoj.com/problems/CODESPTB/>
- ☐ <https://codeforces.com/problemset/problem/1622/B>
- ☐ <https://codeforces.com/problemset/problem/1618/A>
- ☐ <https://codeforces.com/problemset/problem/1614/B>
- ☐ [https://atcoder.jp/contests/agc013/tasks/agc013\\_a](https://atcoder.jp/contests/agc013/tasks/agc013_a)

### Medium:

- ☐ [https://www.codingninjas.com/codestudio/problems/ninja-and-sorted-arrays\\_1214628](https://www.codingninjas.com/codestudio/problems/ninja-and-sorted-arrays_1214628)
- ☐ [https://www.codingninjas.com/codestudio/problems/count-smaller-or-equal-elements-in-array\\_1072983](https://www.codingninjas.com/codestudio/problems/count-smaller-or-equal-elements-in-array_1072983)
- ☐ [https://www.codingninjas.com/codestudio/problems/search-for-integers-with-given-difference-and-at-given-distance\\_920504](https://www.codingninjas.com/codestudio/problems/search-for-integers-with-given-difference-and-at-given-distance_920504)