

# Introduction

In this chapter, we'll see some very basic sorting algorithms.

We'll cover the following



- Sorting

## Sorting #

Even though you most likely won't end up writing these sorting algorithms in competitions, it's a good idea to know that these algorithms exist and how they work.

We will discuss the following sorting algorithms that run in  $O(N^2)$  before moving onto algorithms with better performance.

- Selection Sort
- Bubble Sort
- Insertion Sort

**Tip:** Try putting print statements inside the loops to see how each step of the algorithm affects the array.

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We'll start with selection sort in the next lesson.