

# [程式實務] - Sorting

Time: 1 sec / Memory: 256 MB

## Problem Statement

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Given  $n$  integers, sort them in non-decreasing order.

Hint: You can submit the code directly on the slide.

## Input

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The first line contains an integer  $n$ , where  $1 \leq n \leq 10^5$ .

The following line contains  $n$  integers separated by spaces. Each integer  $x_i$  satisfies  $-10^9 \leq x_i \leq 10^9$ .

## Output

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Output the  $n$  integers in non-decreasing order, separated by spaces.

## Example

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Input:

```
5
3 1 4 1 5
```

Output:

```
1 1 3 4 5
```