

912. Sort an Array

Medium

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Given an array of integers `nums`, sort the array in ascending order and return it.

You must solve the problem **without using any built-in** functions in $O(n\log(n))$ time complexity and with the smallest space complexity possible.

Example 1:

Input: `nums = [5,2,3,1]`
Output: `[1,2,3,5]`
Explanation: After sorting the array, the positions of some numbers are not changed (for example, 2 and 3), while the positions of other numbers are changed (for example, 1 and 5).

Example 2:

Input: `nums = [5,1,1,2,0,0]`
Output: `[0,0,1,1,2,5]`
Explanation: Note that the values of `nums` are not necessarily unique.

Constraints:

- `1 <= nums.length <= 5 * 104`
- `-5 * 104 <= nums[i] <= 5 * 104`

Seen this question in a real interview before? 1/4

☒ Yes ☐ No

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 Discussion (84)