# 26. Remove Duplicates from Sorted Array



Description (/problems/remove-duplicates-from-sorted-array/description/) Hints (/proble

Pick One (/problems/random-one-question/)

Notes

Given a sorted array *nums*, remove the duplicates **in-place** (https://en.wikipedia.org/wiki/In-place_algorithm) such that each element appear only *once* and return the new length.

Do not allocate extra space for another array, you must do this by **modifying the input array in-place (https://en.wikipedia.org/wiki/In-place_algorithm)** with O(1) extra memory.

**Example 1:**

```
Given nums = [1,1,2],

Your function should return length = 2, with the first two elements of nums being 1 and 2 r

It doesn't matter what you leave beyond the returned length.
```

**Example 2:**

```
Given nums = [0,0,1,1,1,2,2,3,3,4],

Your function should return length = 5, with the first five elements of nums being modifiec

It doesn't matter what values are set beyond the returned length.
```

**Clarification:**

Confused why the returned value is an integer but your answer is an array?

Note that the input array is passed in by **reference**, which means modification to the input array will be known to the caller as well.

Internally you can think of this:

```
// nums is passed in by reference. (i.e., without making a copy)
int len = removeDuplicates(nums);

// any modification to nums in your function would be known by the caller.
// using the length returned by your function, it prints the first len elements.
for (int i = 0; i < len; i++) {
    print(nums[i]);
}
```

Notes

Seen this question in a real interview before? Yes No

Subscribe (/subscribe/) to see which companies asked this question.

Related Topics

Similar Questions

JavaScript

```
var removeDuplicates = function(nums) {
    dupCount = 0;
    for (let i = 0; i < nums.length; i++) {
        for (let j = i+1; j < nums.length; j++) {
            if (nums[i] == nums[j]) {
                dupCount++;
                nums.splice(nums[j], 1);
            }
        }
    }
    return nums.length
};
```

Custom Testcase ( Contribute ! )

Run Code Submit Solution

## Submission Result: Wrong Answer (/submissions/detail/163686278/)

More Details > (/submissions/detail/163686278/) >_

| | |
|---|---|
| Input: | [0,0,1,1,1,2,2,3,3,4] |
| Output: | [0,1,2,3,3,4] |
| Expected: | [0,1,2,3,4] |

Notes