

leetcode.com/problems/remove-duplicates-from-sorted-array/?envType=problem-list-v2&envId=array

Array < > ↺

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Premium

Description Editorial Solutions Submissions

## 26. Remove Duplicates from Sorted Array

Easy Topics Companies Hint

Given an integer array `nums` sorted in **non-decreasing order**, remove the duplicates **in-place** such that each unique element appears only **once**. The **relative order** of the elements should be kept the **same**. Then return the **number of unique elements** in `nums`.

Consider the number of unique elements of `nums` to be `k`, to get accepted, you need to do the following things:

- Change the array `nums` such that the first `k` elements of `nums` contain the unique elements in the order they were present in `nums` initially. The remaining elements of `nums` are not important as well as the size of `nums`.
- Return `k`.

**Custom Judge:**

The judge will test your solution with the following code:

```
int[] nums = [...]; // Input array
int[] expectedNums = [...]; // The expected answer with correct length

int k = removeDuplicates(nums); // Calls your implementation

assert k == expectedNums.length;
for (int i = 0; i < k; i++) {
    assert nums[i] == expectedNums[i];
}
```

If all assertions pass, then your solution will be **accepted**.

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Code

Java Auto

```
1 class Solution {
2     public int removeDuplicates(int[] nums) {
3         int j = 1;
4         for (int i = 1; i < nums.length; i++) {
5             if (nums[i] != nums[i - 1]) {
6                 nums[j] = nums[i];
7                 j++;
8             }
9         }
10        return j;
11    }
12 }
13
```

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Testcase Test Result

Accepted Runtime: 0 ms

Case 1 Case 2

Input

nums = [1,1,2]