

26. Remove Duplicates from Sorted Array

Easy

Topics

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Hint

Given an integer array `nums` sorted in **non-decreasing order**, remove the duplicates **in-place** such that each unique element appears only once. 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 the array. The rest of the array `nums` is not important. The size of `nums` is `nums.length`.
- 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**.

Example 1:

Input: `nums = [1,1,2]`
Output: `2`, `nums = [1,2,_]`
Explanation: Your function should return `k = 2`, with the first two elements of `nums` being `1` and `2` respectively. It does not matter what you leave beyond the returned `k` (hence they are underscores).

Example 2:

Input: `nums = [0,0,1,1,1,2,2,3,3,4]`
Output: `5`, `nums = [0,1,2,3,4,_,_,_,_,_]`
Explanation: Your function should return `k = 5`, with the first five elements of `nums` being `0`, `1`, `2`, `3`, and `4` respectively. It does not matter what you leave beyond the returned `k` (hence they are underscores).

Constraints:

- `1 <= nums.length <= 3 * 104`
- `-100 <= nums[i] <= 100`
- `nums` is sorted in **non-decreasing** order.

Seen this question in a real interview before? 1/5

Yes

No

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