

#15 days of Coding Challenge

#Day 1

Remove Duplicates from sorted array

#Leetcode 26

Solution:

```
class Solution {
public:
    int removeDuplicates(vector<int>& nums) {
        if (nums.empty()) return 0;

        int i = 0;

        for (int j = 1; j < nums.size(); ++j) {
            if (nums[j] != nums[i]) {
                i++;
                nums[i] = nums[j];
            }
        }

        return i + 1;
    }
};
```

Time Complexity: $O(n)$

Space Complexity: $O(1)$