Description | Editorial | Solutions | Submissions

169. Majority Element   Solved ✓

Easy | ⬦ Topics | 🔒 Companies

Given an array `nums` of size `n`, return *the majority element*.

The majority element is the element that appears more than $\lfloor n / 2 \rfloor$ times. You may assume that the majority element always exists in the array.

Example 1:

```
Input: nums = [3,2,3]
Output: 3
```

Example 2:

```
Input: nums = [2,2,1,1,1,2,2]
Output: 2
```

</> Code

C ∨   🔒 Auto

```c
int majorityElement(int* nums, int numsSize) {
  int i=0;
  int candidate=nums[i];
  int count=0;
  for(int i=0;i<numsSize;i++)
  {
    if (nums[i]==candidate);
    count++;
```

Saved   Ln 1, Col 1

☑ Testcase | >_ Test Result

Case 1   Case 2   +

nums =

```
[3,2,3]
```

Code

C ∨ 🔒 Auto

```c
1   int majorityElement(int* nums, int numsSize) {
2       int i=0;
3        int candidate=nums[i];
4     int count=0;
5      for(int i=0;i<numsSize;i++)
6      {
7        if (nums[i]==candidate);
8        count++;
9        if(count>numsSize/2)
10       return candidate;
11       else
12       {
13            count=0;
14            candidate=nums[i+1];
15       }
16
17     }
18   }
19
20
```