



**Started on** Wednesday, 17 September 2025, 3:38 PM

**State** Finished

**Completed on** Wednesday, 17 September 2025, 3:39 PM

**Time taken** 59 secs

**Marks** 1.00/1.00

**Grade** 10.00 out of 10.00 (100%)

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`

Constraints:

- `n == nums.length`
- `1 <= n <= 5 * 104`
- `-231 <= nums[i] <= 231 - 1`

For example:

Input	Result
3 3 2 3	3
7 2 2 1 1 1 2 2	2

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2
3 int findMajorityElement(int nums[], int n) {
4     int count = 0, candidate = 0;
5
6     for (int i = 0; i < n; i++) {
7         if (count == 0) {
8             candidate = nums[i];
9             count = 1;
10        } else if (nums[i] == candidate) {
11            count++;
12        } else {
13            count--;
14        }
15    }
16
17    return candidate;
18 }
19
20 int main() {
21     int n;
22     scanf("%d", &n);
23
24     int nums[n];
25     for (int i = 0; i < n; i++) {
26         scanf("%d", &nums[i]);
27     }
```

```

27     }
28
29     int result = findMajorityElement(nums, n);
30     printf("%d\n", result);
31
32     return 0;
33 }
34

```

	Input	Expected	Got	
✓	3	3	3	✓
	3 2 3			

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

[Back to Course](#)