

VISAANTH M 2024-IT**V2****Started on** Wednesday, 17 September 2025, 1:54 PM**State** Finished**Completed on** Wednesday, 17 September 2025, 2:22 PM**Time taken** 28 mins 13 secs**Marks** 1.00/1.00**Grade** **10.00** out of 10.00 (**100%**)

Question 1 | Correct Mark 1.00 out of 1.00

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
3 2 3	
7	2
2 2 1 1 1 2 2	

Answer: (penalty regime: 0 %)

```

1 #include<stdio.h>
2 int majorityElements(int* nums,int n){
3     int count=0,candidate=0;
4     for(int i=0;i<n;i++){
5         if(count==0) candidate=nums[i];
6         if(nums[i]==candidate) count++;
7         else count--;
8     }
9     return candidate;
10 }
11 int main(){
12     int n;
13     scanf("%d",&n);
14     int nums[n];
15     for(int i=0;i<n;i++) scanf("%d",&nums[i]);
16     printf("%d\n", majorityElements(nums, n));
17     return 0;
18 }
```

	Input	Expected	Got	
✓	3 3 2 3	3	3	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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