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Started on	Thursday, 12 September 2024, 10:12 AM
State	Finished
Completed on	Thursday, 12 September 2024, 10:59 AM
Time taken	47 mins 4 secs
Marks	1.00/1.00
Grade	**10.00** out of 10.00 (**100**%)

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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`
- $1 <= n <= 5 * 10^4$
- $-2^{31} <= nums[i] <= 2^{31} - 1$

For example:

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

Answer: (penalty regime: 0 %)

```c
1  #include<stdio.h>
2  int majorityElement(int arr[],int n){
3      int mid=n/2;
4      int count=0;
5      int ele=arr[0];
6      for(int i=0;i<mid;i++){
7          if(ele==arr[i])
8              count+=1;
9          else{
10             ele=arr[i];
11             count=0;
12         }
13         if(count>n/4)
14             return ele;
15     }
16     return -1;
17  }
18  int main(){
19     int nums[50000],n;
20     scanf("%d",&n);
21     for(int i=0;i<n;i++)
22         scanf("%d",&nums[i]);
23     printf("%d",majorityElement(nums,n));
24  }
25
26
```

	Input	Expected	Got	
✔	3 3 2 3	3	3	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

◄ 1-Number of Zeros in a Given Array

Jump to...

3-Finding Floor Value ►