**RAJALAKSHMI
ENGINEERING
COLLEGE**

🔔 **VARSHINI S 2024-CSE** ⌄   **V2**

Started on	Wednesday, 17 September 2025, 8:36 AM
State	Finished
Completed on	Friday, 3 October 2025, 12:11 PM
Time taken	16 days 3 hours
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 * 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 main(){
3       int n,count=0;
4       scanf("%d",&n);
5       int arr[n];
6       for(int i=0;i<n;i++){
7           count=0;
8           scanf("%d",&arr[i]);
9       }
10      for(int i=0;i<n;i++){
11          for(int j=0;j<n;j++){
12              if(arr[i]==arr[j]){
13                  count++;
14              }
15          }
16          if(count>n/2){
17              printf("%d",arr[i]);
18              break;
19          }
20      }
21  }
```

	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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