RAJALAKSHMI ENGINEERING COLLEGE

Started on	Friday, 10 October 2025, 1:55 PM
State	Finished
Completed on	Friday, 10 October 2025, 1:59 PM
Time taken	4 mins 37 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 `⌊n / 2⌋` 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
# include <stdio.h>

int main(){
    int n;
    int map[50000];
    scanf("%d", &n);
    int arr[n];
    for(int i=0; i<n; i++){
        scanf("%d", &arr[i]);
        map[arr[i]]++;
    }
    for(int i=0; i<n; i++){
        if(map[arr[i]] > n/2){
            printf("%d", arr[i]);
            break;
        }
    }
}
```

	Input	Expected	Got	
✔	3 3 2 3	3	3	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Back to Course