2-Majority Element

Started on	Tuesday, 9 September 2025, 12:57 PM
State	Finished
Completed on	Tuesday, 9 September 2025, 1:05 PM
Time taken	8 mins 8 secs
Marks	1.00/1.00
Grade	**10.00** out of 10.00 (**100**%)

Question 1 | Correct Mark 1.00 out of 1.00 Flag question

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 %)

```
#include<stdio.h>
int main(){
    int n;
    scanf("%d",&n);
    int m[n];
    for(int i=0;i<n;i++){
        scanf("%d",&m[i]);
    }
    int c=0;
    int d=0;
    for(int i=0;i<n;i++){
        if(c==0){
            d=m[i];
            c=1;
        }
        else if(m[i]==d){
            c+=1;
        }
        else{
            c--;
        }
    }
    printf("%d",d);
}
```

	Input	Expected	Got	
✔	3 3 2 3	3	3	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Finish review

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