CS23331-DAA-2024-CSE / 2-Majority Element **2-Majority Element**

Started on	Friday, 19 September 2025, 2:22 PM
State	Finished
Completed on	Saturday, 20 September 2025, 8:50 PM
Time taken	1 day 6 hours
Marks	1.00/1.00
Grade	10.00 out of 10.00 (100 %)

Given an array ${\color{blue} nums}$ of size ${\color{blue} n},$ 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]
```

Constraints:

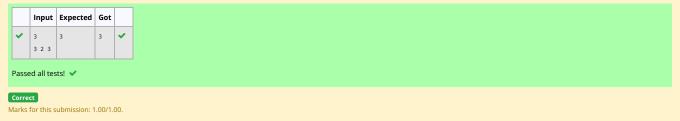
- n == nums.length
- 1 <= n <= 5 * 10⁴
- $-2^{31} \leftarrow nums[i] \leftarrow 2^{31} 1$

For example:

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

Answer: (penalty regime: 0 %)

```
37
38 v int majorityElement(int* nums, int n) {
39    qsort(nums, n, sizeof(int), cmpfunc);
40    return nums[n / 2];
41 }
```



Finish review

Back to Course