

Mock Test > 29dweh@gmail.com

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> Core CS 105/105 Easy 105/105

Search

Sorting

Problem Solving 105/105

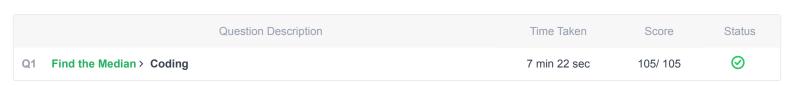
105/105 105/105

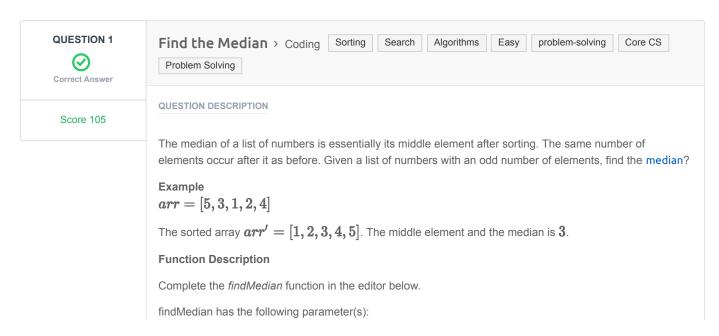
problem-solving 105/105

scored in **Mock Test** in 7 min 54 sec on 5 Mar 2024 05:09:28 IST **105/105**

Recruiter/Team Comments:

No Comments.





• int arr[n]: an unsorted array of integers

Returns

int: the median of the array

Input Format

The first line contains the integer n, the size of arr.

The second line contains $m{n}$ space-separated integers $m{arr}[i]$

Constraints

- $1 \le n \le 1000001$
- \it{n} is odd
- $-10000 \le arr[i] \le 10000$

Sample Input 0

```
7
0 1 2 4 6 5 3
```

Sample Output 0

3

Explanation 0

The sorted arr = [0, 1, 2, 3, 4, 5, 6]. It's middle element is at arr[3] = 3.

CANDIDATE ANSWER

Language used: C++14

```
/*
complete the 'findMedian' function below.

* The function is expected to return an INTEGER.

* The function accepts INTEGER_ARRAY arr as parameter.

*/

int findMedian(vector<int> arr) {
    sort(arr.begin(), arr.end());
    int medianPos = arr.size() / 2;
    return arr[medianPos];
}
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0092 sec	8.83 KB
Testcase 2	Easy	Hidden case	Success	35	0.0089 sec	9 KB
Testcase 3	Easy	Hidden case	Success	35	0.0074 sec	8.89 KB
Testcase 4	Easy	Hidden case	Success	35	0.0316 sec	13.2 KB

No Comments

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