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Mock Test

Test Name: Taken On:

16 Jan 2024 22:55:17 IST

Time Taken:

3 min 44 sec/ 15 min

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Invited on:

16 Jan 2024 21:16:16 IST

Skills Score:

Tags Score:

Algorithms 105/105

Core CS 105/105

Easy 105/105

Problem Solving 105/105

Search 105/105 Sorting 105/105

problem-solving 105/105

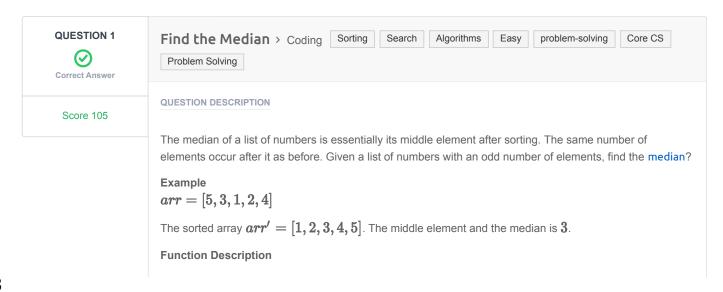
100% 105/105

scored in **Mock Test** in 3 min 44 sec on 16 Jan 2024 22:55:17 IST

Recruiter/Team Comments:

No Comments.





Complete the *findMedian* function in the editor below.

findMedian has the following parameter(s):

• 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 n space-separated integers arr[i]

Constraints

- $1 \le n \le 1000001$
- 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) {
    int med = arr.size()/2;

    sort(arr.begin(), arr.end());

return arr.at(med);
}
```

| TESTCASE | DIFFICULTY | TYPE | STATUS | SCORE | TIME TAKEN | MEMORY USED |
|------------|------------|-------------|---------|-------|------------|-------------|
| Testcase 1 | Easy | Sample case | Success | 0 | 0.1041 sec | 8.56 KB |
| Testcase 2 | Easy | Hidden case | Success | 35 | 0.0079 sec | 9.02 KB |
| Testcase 3 | Easy | Hidden case | Success | 35 | 0.0082 sec | 9.04 KB |
| Testcase 4 | Easy | Hidden case | Success | 35 | 0.1011 sec | 13.3 KB |

No Comments