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Test Name:

**Mock Test** 

Taken On:

4 Dec 2022 23:43:44 IST

Time Taken:

9 min/ 10 min

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Invited by:

Ankush

Invited on:

4 Dec 2022 23:43:24 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

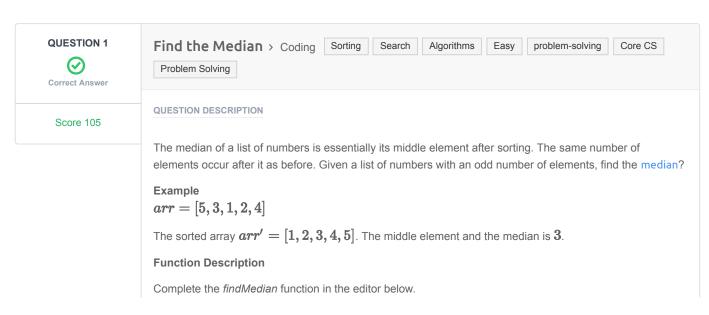
scored in **Mock Test** in 9 min on

4 Dec 2022 23:43:44 IST

#### **Recruiter/Team Comments:**

No Comments.





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

```
/*
2  * Complete the 'findMedian' function below.
3  *
4  * The function is expected to return an INTEGER.
5  * The function accepts INTEGER_ARRAY arr as parameter.
6  */
7
8 int findMedian(vector<int> arr) {
    sort(arr.begin(),arr.end());
    if (arr.size()%2){
        return arr[arr.size()/2];
    }
    else return (arr[arr.size()/2] + arr[(arr.size()/2)+1])/2;
14
}
15
16
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0409 sec	8.88 KB
Testcase 2	Easy	Hidden case	Success	35	0.0464 sec	9.04 KB
Testcase 3	Easy	Hidden case	Success	35	0.0288 sec	9.02 KB
Testcase 4	Easy	Hidden case	Success	35	0.076 sec	13.1 KB

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