

#### Mock Test > seansanii@outlook.com

**Full Name:** Sean Sanii Email: seansanii@outlook.com Test Name: **Mock Test** Taken On: 30 Jun 2025 16:40:23 IST Time Taken: 3 min 48 sec/ 15 min Invited by: Ankush Invited on: 30 Jun 2025 16:40:17 IST Skills Score: Tags Score: Algorithms 105/105 Core CS 105/105 Easy 105/105 Problem Solving 105/105 Search 105/105 105/105 Sorting



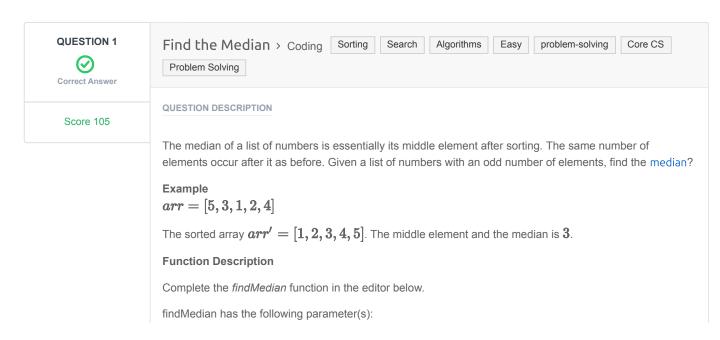
scored in **Mock Test** in 3 min 48 sec on 30 Jun 2025 16:40:23 IST

# **Recruiter/Team Comments:**

No Comments.



problem-solving 105/105



• 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

```
1
2  /*
3  * Complete the 'findMedian' function below.
4  *
5  * The function is expected to return an INTEGER.
6  * The function accepts INTEGER_ARRAY arr as parameter.
7  */
8
9 int findMedian(vector<int> arr) {
      sort(arr.begin(), arr.end());
      int middle = arr.size();
12
13      return arr[middle/2];
14
}
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0076 sec	8.63 KB
Testcase 2	Easy	Hidden case	Success	35	0.0097 sec	9.04 KB
Testcase 3	Easy	Hidden case	Success	35	0.0127 sec	8.75 KB
Testcase 4	Easy	Hidden case	Success	35	0.0312 sec	13.1 KB

#### No Comments