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Test Name:

**Mock Test** 

Taken On:

6 Apr 2023 10:35:27 IST

Time Taken:

8 min 47 sec/ 15 min

Invited by:

Ankush

Invited on:

6 Apr 2023 10:30:30 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

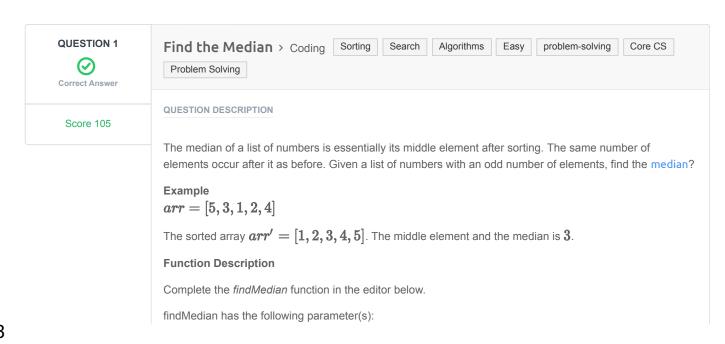
100% 105/105

scored in **Mock Test** in 8 min 47 sec on 6 Apr 2023 10:35:27 IST

# **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 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: Python 3

```
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 import math
10
11 def findMedian(arr):
12  # Write your code here
13 arr.sort()
14 length = len(arr)
15 median_index = math.ceil(length / 2) - 1
16
17 return arr[median_index]
```

| TESTCASE   | DIFFICULTY | TYPE        | STATUS  | SCORE | TIME TAKEN | MEMORY USED |
|------------|------------|-------------|---------|-------|------------|-------------|
| Testcase 1 | Easy       | Sample case | Success | 0     | 0.0659 sec | 9.17 KB     |
| Testcase 2 | Easy       | Hidden case | Success | 35    | 0.0541 sec | 9.78 KB     |
| Testcase 3 | Easy       | Hidden case | Success | 35    | 0.0559 sec | 10.3 KB     |
| Testcase 4 | Easy       | Hidden case | Success | 35    | 0.1342 sec | 21 KB       |

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