

### Mock Test > coolvivek.jha@gmail.com

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Test Name:

**Mock Test** 

Taken On: Time Taken:

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Invited by:

Invited on: 1 Jun 2024 23:42:06 IST

Skills Score:

Tags Score:

Algorithms 105/105

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1 Jun 2024 23:45:03 IST

4 min 7 sec/ 10 min

Ankush

Core CS 105/105

Easy 105/105 Problem Solving 105/105

Search 105/105

Sorting 105/105

problem-solving 105/105

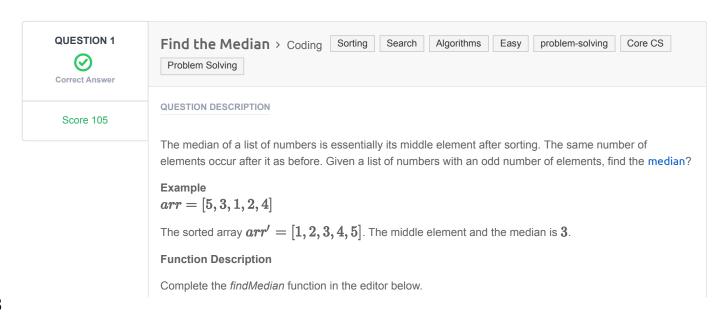
100% 105/105

scored in Mock Test in 4 min 7 sec on 1 Jun 2024 23:45:03 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  $m{n}$  space-separated integers  $m{arr}[m{i}]$ 

#### **Constraints**

- $1 \le n \le 1000001$
- $oldsymbol{\cdot}$   $oldsymbol{n}$  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 def findMedian(arr):
10 # Write your code here
11 arr.sort()
12
13 cen_index = len(arr) // 2
14
15 median = (arr[cen_index]+arr[~cen_index])/2
16
17 print(median)
18 return int(median)
19
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0335 sec	10.2 KB
Testcase 2	Easy	Hidden case	Success	35	0.0386 sec	11.1 KB
Testcase 3	Easy	Hidden case	Success	35	0.0506 sec	11.3 KB
Testcase 4	Easy	Hidden case	Success	35	0.0627 sec	20.8 KB

No Comments	

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