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Test Mock Test

Name:

Taken 16 Mar 2024 12:19:47 IST

On:

Time 6 min 15 sec/ 10 min

Taken:

Resume: https://hackerrank-

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Invited Ankush

by:

Invited 16 Mar 2024 12:15:38 IST

on:

Skills Score:

Tags Score: Algorithms 105/105

Core CS 105/105

Easy 105/105

Problem Solving 105/105

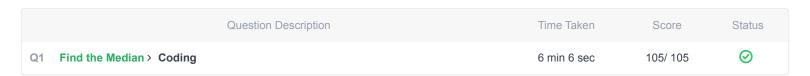
Search 105/105

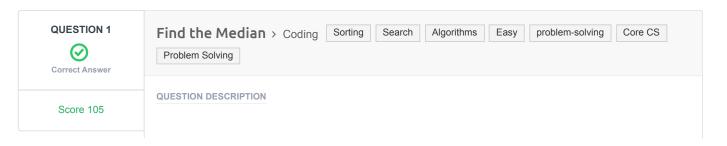
Sorting 105/105

problem-solving 105/105

Recruiter/Team Comments:

No Comments.







scored in **Mock Test** in 6 min 15 sec on 16 Mar 2024 12:19:47 IST

1/3

The median of a list of numbers is essentially its middle element after sorting. The same number of elements occur after it as before. Given a list of numbers with an odd number of elements, find the median?

Example

$$arr = [5, 3, 1, 2, 4]$$

The sorted array arr'=[1,2,3,4,5]. The middle element and the median is 3.

Function Description

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: Python 3

```
1  n=int(input())
2  arr=list(map(int,input().split()))
3  arr.sort()
4  median_index=int(abs(len(arr)/2))
5  print(arr[median_index])
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0176 sec	9.39 KB
Testcase 2	Easy	Hidden case	Success	35	0.0162 sec	10.2 KB
Testcase 3	Easy	Hidden case	Success	35	0.0166 sec	10.5 KB
Testcase 4	Easy	Hidden case	Success	35	0.0457 sec	19.7 KB

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