Artem Ponomarev



Name:

Email: artemponomarevjetski@gmail.com

Test Mock Test

Name:

1101110

Full

Taken 18 Aug 2022 07:01:18 IST

On:

Time 5 min 24 sec/ 10 min

Taken:

Resume: https://hackerrank-

resumes.s3.amazonaws.com/6748002/VqleUUT8sJA8XSCX4CDqswKEOuk7T0t6WKpMrxVLf68g8XOPFQyV6kNv9jq8EGeS-

 $w/Artem_Ponomarev_ex_Microsoft__3_pages.pdf$

Linkedin: https://www.linkedin.com/in/artemponomarevpolycephalicturingmachinethatneverhalts/

Invited Ankush

by:

Invited 18 Aug 2022 07:00:10 IST

on:

Skills Score:

 Tags
 Algorithms
 105/105

 Score:
 Core CS
 105/105

Easy 105/105

Problem Solving 105/105

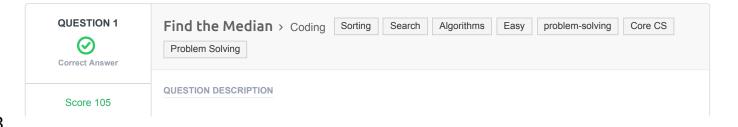
Search 105/105 Sorting 105/105

problem-solving 105/105

Recruiter/Team Comments:

No Comments.







scored in **Mock Test** in 5 min 24 sec on 18 Aug 2022 07:01:18 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 $m{n}$ space-separated integers $m{arr}[m{i}]$

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 # 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 def findMedian(arr):
9 # Write your code here
arr.sort()
11 return arr[len(arr)//2]
12
13
14
```

Testcase 1	Easy	Sample case		0	0.0466 sec	9.28 KB	
Testcase 2	Easy	Hidden case	Success	35	0.0563 sec	9.73 KB	
Testcase 3	Easy	Hidden case	Success	35	0.0704 sec	10 KB	
Testcase 4	Easy	Hidden case	Success	35	0.1151 sec	20.8 KB	
No Comments							

PDF generated at: 18 Aug 2022 01:38:29 UTC