

#### Mock Test > piplicaluka64@gmail.com

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**Mock Test** Test

Name:

Taken 11 Feb 2024 08:13:59 IST

On:

6 min 47 sec/ 10 min Time

Taken:

Resume: https://hackerrank-

resumes.s3.amazonaws.com/7923241/MJ4UK6I\_x6fI\_w0oT2GkNw37n-

5zzzMcl9u\_fx3mmDRQo8K5aN5GJsEjvbaqCPQG8A/Luka\_Piplica\_Resume\_2021.docx

Linkedin: https://www.linkedin.com/in/luka-piplica-1b5028185/

Invited

Ankush

by:

11 Feb 2024 08:13:34 IST Invited

on: Skills

Score:

Tags Score: Algorithms 105/105 Core CS 105/105

Easy 105/105

Problem Solving 105/105

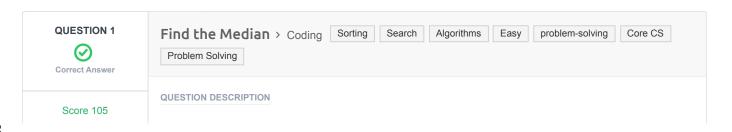
Search 105/105 Sorting 105/105

problem-solving | 105/105

#### **Recruiter/Team Comments:**

No Comments.







scored in Mock Test in 6 min 47 sec on 11 Feb 2024 08:13:59 IST

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: PyPy3

```
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):
    # Write your code here
    nums = sorted(arr)
    iterations = int((len(arr) - 1) / 2)
    return nums[iterations]
14
15
16
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED	
Testcase 1	Easy	Sample case	Success	0	0.0914 sec	65 KB	
Testcase 2	Easy	Hidden case	Success	35	0.0944 sec	66 KB	
Testcase 3	Easy	Hidden case	Success	35	0.1205 sec	66.1 KB	
Testcase 4	Easy	Hidden case	Success	35	0.1484 sec	77.6 KB	
No Comments							

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