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Test Name: Mock Test

Taken On: 12 Apr 2023 14:31:51 IST

Time Taken: 6 min 17 sec/ 15 min

Invited by: Ankush

Invited on: 12 Apr 2023 14:31:20 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 6 min 17 sec on 12 Apr 2023 14:31:51 IST

Recruiter/Team Comments:

No Comments.

	Question Description	Time Taken	Score	Status
Q1	Find the Median > Coding	5 min 53 sec	105/ 105	✓

QUESTION 1

✓

Correct Answer

Score 105

Find the Median > Coding

Sorting

Search

Algorithms

Easy

problem-solving

Core CS

Problem Solving

QUESTION DESCRIPTION

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

- $1 \leq n \leq 1000001$
- n is odd
- $-10000 \leq arr[i] \leq 10000$

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
10    arr.sort()
11    for i in range(len(arr)):
12        c = i // 2
13    return arr[c]
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	✔ Success	0	0.0492 sec	9.35 KB
Testcase 2	Easy	Hidden case	✔ Success	35	0.0527 sec	9.67 KB
Testcase 3	Easy	Hidden case	✔ Success	35	0.0567 sec	10.1 KB
Testcase 4	Easy	Hidden case	✔ Success	35	0.096 sec	20.8 KB

No Comments