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Test Name: Mock Test

Taken On: 26 Aug 2023 04:15:35 IST

Time Taken: 9 min 52 sec/ 10 min

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Invited on: 26 Aug 2023 04:01:52 IST

Skills Score:

Tags Score:

- Algorithms 70/105
- Core CS 70/105
- Easy 70/105
- Problem Solving 70/105
- Search 70/105
- Sorting 70/105
- problem-solving 70/105

66.7%

70/105

scored in **Mock Test** in 9 min 52 sec on 26 Aug 2023 04:15:35 IST

Recruiter/Team Comments:

No Comments.

	Question Description	Time Taken	Score	Status
Q1	Find the Median > Coding	10 min 6 sec	70/ 105	✓

QUESTION 1

✓

Correct Answer

Score 70

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

The candidate did not manually submit any code. The last compiled version has been auto-submitted and the score you see below is for the auto-submitted version.

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     result = sorted(arr)
12     n = round(len(arr)/2) - 1
13     return result[n]
14
15
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	✔ Success	0	0.0844 sec	10.7 KB
Testcase 2	Easy	Hidden case	✔ Success	35	0.0912 sec	11.5 KB
Testcase 3	Easy	Hidden case	✘ Wrong Answer	0	0.0887 sec	11.7 KB
Testcase 4	Easy	Hidden case	✔ Success	35	0.0729 sec	22.1 KB

No Comments

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