



Full Name:	FaizAhmed Akkiwat
Email:	zakkiwat@gmail.com
Test Name:	Mock Test
Taken On:	17 Jul 2023 15:34:48 IST
Time Taken:	2 min 28 sec/ 15 min
Invited by:	Ankush
Invited on:	17 Jul 2023 15:34:40 IST
Skills Score:	
Tags Score:	<div>Algorithms105/105</div> <div>Core CS105/105</div> <div>Easy105/105</div> <div>Problem Solving105/105</div> <div>Search105/105</div> <div>Sorting105/105</div> <div>problem-solving105/105</div>

100%

105/105

scored in **Mock Test** in 2 min 28 sec on 17 Jul 2023 15:34:48 IST

Recruiter/Team Comments:

No Comments.

	Question Description	Time Taken	Score	Status
Q1	Find the Median > Coding	2 min 19 sec	105/ 105	✔

QUESTION 1

✔

Correct Answer

Score 105

Find the Median > Coding

SortingSearchAlgorithmsEasyproblem-solvingCore 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 #
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     n = len(arr)
12     return sorted(arr)[n // 2]
13
14
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	✔ Success	0	0.0855 sec	10.6 KB
Testcase 2	Easy	Hidden case	✔ Success	35	0.0487 sec	11.5 KB
Testcase 3	Easy	Hidden case	✔ Success	35	0.0844 sec	11.7 KB
Testcase 4	Easy	Hidden case	✔ Success	35	0.1107 sec	22.2 KB

No Comments