



Full Name: Dody Apriyanto S
Email: dody.apriyanto@gmail.com
Test Name: Mock Test
Taken On: 17 Jun 2022 19:10:25 IST
Time Taken: 3 min 7 sec/ 10 min
Invited by: Ankush
Invited on: 17 Jun 2022 19:10:02 IST
Skills Score:
Tags Score:

- Algorithms105/105
- Core CS105/105
- Easy105/105
- Problem Solving105/105
- Search105/105
- Sorting105/105
- problem-solving105/105

100%
105/105

scored in Mock Test in 3 min 7 sec on 17 Jun 2022 19:10:25 IST

Recruiter/Team Comments:

No Comments.

	Question Description	Time Taken	Score	Status
Q1	Find the Median > Coding	2 min 55 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 # 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
11     arr.sort()
12     lenis = int(len(arr)/2)
13
14     return(arr[lenis])
15
16
17
18
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	✔ Success	0	0.064 sec	9.36 KB
Testcase 2	Easy	Hidden case	✔ Success	35	0.0652 sec	9.95 KB
Testcase 3	Easy	Hidden case	✔ Success	35	0.0928 sec	10.2 KB
Testcase 4	Easy	Hidden case	✔ Success	35	0.1051 sec	21 KB

No Comments

PDF generated at: 17 Jun 2022 13:45:31 UTC