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Test Name:	Mock Test
Taken On:	15 Nov 2021 12:00:22 IST
Time Taken:	4 min 2 sec/ 10 min
Invited by:	Ankush
Invited on:	15 Nov 2021 11:59:44 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 4 min 2 sec on 15 Nov 2021 12:00:22 IST

Recruiter/Team Comments:

No Comments.

	Question Description	Time Taken	Score	Status
Q1	Find the Median > Coding	3 min 47 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: C#

```
1 class Result
2 {
3
4     /*
5      * Complete the 'findMedian' function below.
6      *
7      * The function is expected to return an INTEGER.
8      * The function accepts INTEGER_ARRAY arr as parameter.
9      */
10
11     public static int findMedian(List<int> arr)
12     {
13         int result = 0;
14         arr.Sort();
15         int middle = arr.Count/2;
16         result = arr[middle];
17
18         return result;
19     }
20 }
21
22 }
23
24 }
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	✔ Success	0	0.0823 sec	19.4 KB
Testcase 2	Easy	Hidden case	✔ Success	35	0.0985 sec	20.4 KB

Testcase 2	Easy	Hidden case	 Success	35	0.0897 sec	20.5 KB
Testcase 3	Easy	Hidden case	 Success	35	0.1438 sec	26.9 KB

No Comments

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