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Test Name:

Mock Test

Taken On:

22 Dec 2021 05:40:35 IST

Time Taken:

5 min 3 sec/ 10 min

Invited by:

Ankush

Invited on:

22 Dec 2021 05:40:12 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

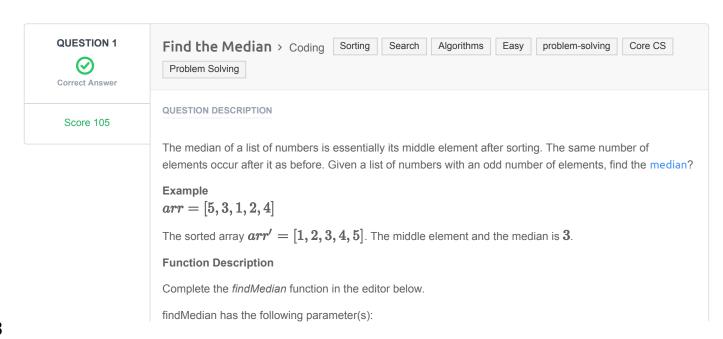
100% 105/105

scored in **Mock Test** in 5 min 3 sec on 22 Dec 2021 05:40:35 IST

Recruiter/Team Comments:

No Comments.





• 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

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

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
```

```
# complete the 'findMedian' function below.
# The function is expected to return an INTEGER.
# The function accepts INTEGER_ARRAY arr as parameter.
# def findMedian(arr):
# Write your code here

arr.sort()
arr_length = len(arr)
middle_index = int(arr_length/2)
median = 0
if arr_length%2 != 0:
median = arr[middle_index]
else:

median = (arr[middle_index] + arr[middle_index-1])/2

return median

return median
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0471 sec	9.37 KB
Testcase 2	Easy	Hidden case	Success	35	0.0841 sec	9.88 KB
Testcase 3	Easy	Hidden case	Success	35	0.0827 sec	10.3 KB



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