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Test Name:

Mock Test

Taken On:

24 Mar 2022 14:01:33 IST

Time Taken:

1 min 53 sec/ 10 min

Invited by:

Ankush

Invited on:

24 Mar 2022 14:01:28 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

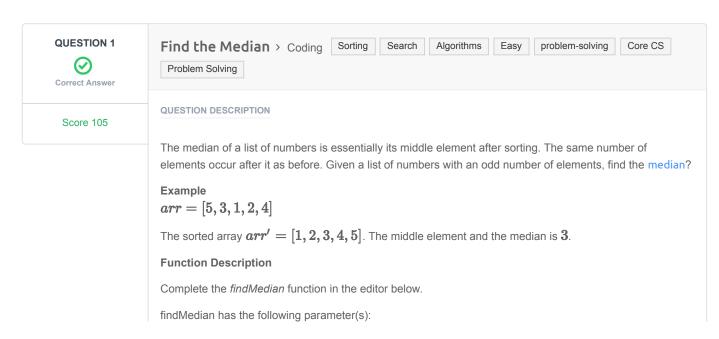
100% 105/105

scored in **Mock Test** in 1 min 53 sec on 24 Mar 2022 14:01:33 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
```

```
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 #
8 def findMedian(arr):
      arr.sort()
     if len(arr)%2==0:
         left mp = int((len(arr)/2))
         right_mp = int((len(arr)/2))+1
          # midpoint = arr[left mp]
         midpoint = (arr[left_mp]+arr[right_mp])/2
14
          return midpoint
     else:
          right_mp = int((len(arr)/2)-0.5)
         midpoint = arr[right_mp]
         return midpoint
     # return arr
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0578 sec	9.38 KB
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	Testcase 3	Easy	Hidden case	0	Success	35	0.0518 sec	10.2 KB
	Testcase 4	Easy	Hidden case	0	Success	35	0.1062 sec	21.2 KB
N	o Comments							

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