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Test Name:

Mock Test

Taken On:

9 Jun 2023 12:48:34 IST

Time Taken:

8 min 2 sec/ 15 min

Invited by:

Ankush

Invited on:

8 Jun 2023 17:13:59 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

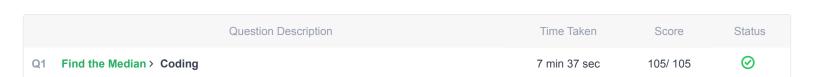
problem-solving 105/105

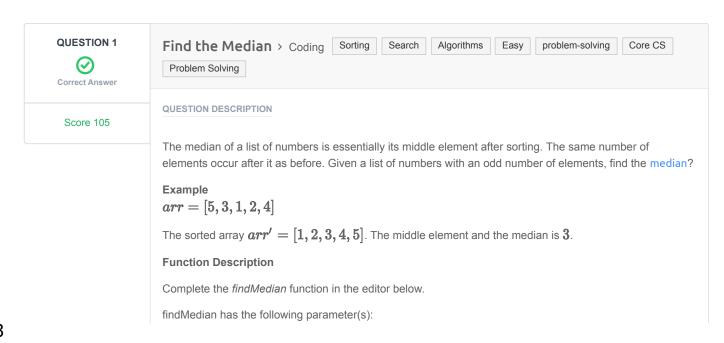
100% 105/105

scored in **Mock Test** in 8 min 2 sec on 9 Jun 2023 12:48:34 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

- $1 \leq n \leq 1000001$
- 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: Java 8

```
1 class Result {
4
       * Complete the 'findMedian' function below.
       * The function is expected to return an INTEGER.
       * The function accepts INTEGER ARRAY arr as parameter.
      */
8
9
     public static int findMedian(List<Integer> arr) {
        Collections.sort(arr);
         int length=arr.size();
          int medianElement=Math.floorDiv(length, 2);
14
         return arr.get(medianElement);
      }
18 }
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.2113 sec	30.1 KB
Testcase 2	Easy	Hidden case	Success	35	0.1343 sec	31.3 KB
Testcase 3	Easy	Hidden case	Success	35	0.1533 sec	32.3 KB
Testcase 4	Easy	Hidden case	Success	35	0.3981 sec	45.2 KB

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