

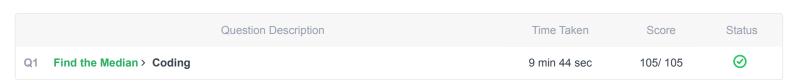
Mock Test > codeks7407@gmail.com

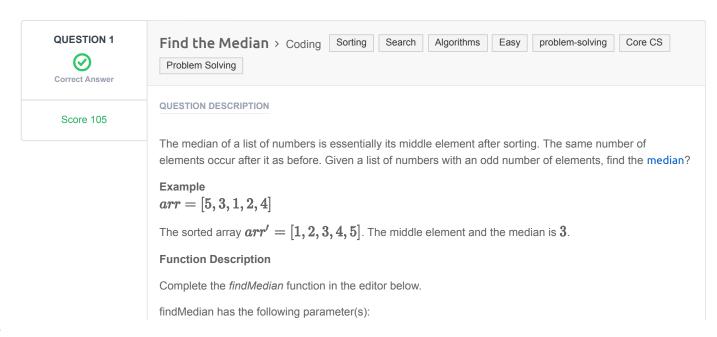
Full Name: Yanga Mdede Email: codeks7407@gmail.com Test Name: **Mock Test** Taken On: 4 Sep 2024 03:12:51 IST 9 min 56 sec/ 10 min Time Taken: Invited by: Ankush Invited on: 4 Sep 2024 03:02:56 IST Skills Score: Tags Score: Algorithms 105/105 Core CS 105/105 Easy 105/105 Problem Solving 105/105 Search 105/105 105/105 Sorting problem-solving 105/105



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 $m{n}$ space-separated integers $m{arr}[i]$

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: Java 8

```
2 class Result
 3 {
 4
       * Complete the 'findMedian' function below.
8
       * The function is expected to return an INTEGER.
       * The function accepts INTEGER ARRAY arr as parameter.
       */
      public static int findMedian(List<Integer> arr)
           // Write your code here
14
           Collections.sort(arr);
           int arrSize = arr.size();
           int median = 0;
            if(arrSize % 2 != 0)
               median = arr.get(arrSize / 2);
24
            else
              int median1 = (arrSize) / (2 - 1);
               int median2 = (arrSize) / (2);
```

```
median = (arr.get(median1) + arr.get(median2)) / 2;
34
             return median;
37 }
   TESTCASE
               DIFFICULTY
                               TYPE
                                           STATUS
                                                      SCORE TIME TAKEN
                                                                            MEMORY USED
  Testcase 1
                            Sample case
                                         Success
                                                                                30.7 KB
                  Easy
                                                               0.1072 sec
  Testcase 2
                  Easy
                            Hidden case
                                         Success
                                                                                32.7 KB
                                                        35
                                                               0.1524 sec
  Testcase 3
                  Easy
                            Hidden case

    Success

                                                        35
                                                                0.136 sec
                                                                                33.6 KB
                                                                                45.6 KB
  Testcase 4
                  Easy
                            Hidden case
                                         Success
                                                        35
                                                               0.2256 sec
No Comments
```

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