

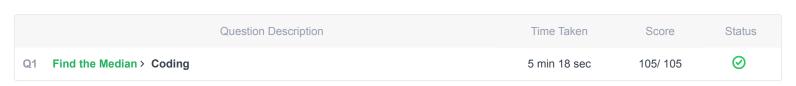
#### Mock Test > sunraja1996@gmail.com

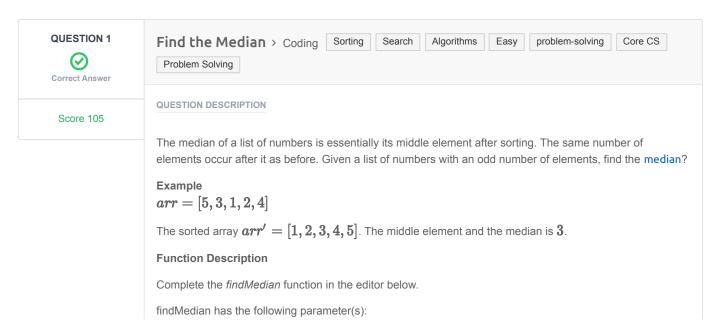
**Full Name:** Shanmugaraja Gajendran Email: sunraja1996@gmail.com Test Name: **Mock Test** Taken On: 25 Feb 2025 23:16:44 IST Time Taken: 5 min 31 sec/ 10 min Invited by: Ankush 25 Feb 2025 23:13:04 IST Invited on: Skills Score: Tags Score: Algorithms 105/105 Core CS 105/105 Easy 105/105 Problem Solving 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 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: JavaScript (Node.js)

```
2 /*
3 * Complete the 'findMedian' function below.
4 *
   * The function is expected to return an INTEGER.
   * The function accepts INTEGER ARRAY arr as parameter.
7 */
8
9 function findMedian(arr) {
    // Write your code here
     arr.sort((a,b) \Rightarrow a - b);
      let middleIndex = Math.floor(arr.length / 2);
     if(arr.length % 2 == 0){
14
          return (arr[middleIndex - 1] + arr[middleIndex]) / 2
     }else{
          return arr[middleIndex]
20 }
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0404 sec	38.9 KB
Testcase 2	Easy	Hidden case	Success	35	0.0413 sec	40.5 KB
Testcase 3	Easy	Hidden case	Success	35	0.0439 sec	41.7 KB
Testcase 4	Easy	Hidden case	Success	35	0.096 sec	50.5 KB

No Comments

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