

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

**Full Name:** Bimal Devasia Email: bimaldevasia@gmail.com Test Name: **Mock Test** Taken On: 22 Nov 2024 16:45:38 IST Time Taken: 7 min 17 sec/ 10 min Invited by: Ankush Invited on: 22 Nov 2024 16:45:18 IST Skills Score: Tags Score: Algorithms 105/105 Core CS 105/105 Easy 105/105 Problem Solving 105/105

Search

Sorting

105/105 105/105

problem-solving 105/105

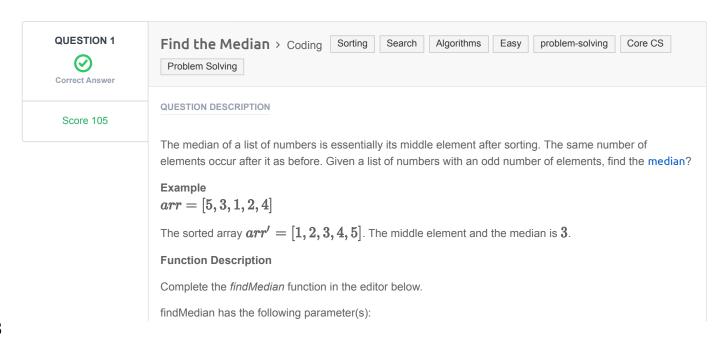
100% scored in sec on 22 IST

scored in **Mock Test** in 7 min 17 sec on 22 Nov 2024 16:45:38 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 #
3 # Complete the 'findMedian' function below.
4 #
5 # The function is expected to return an INTEGER.
6 # The function accepts INTEGER_ARRAY arr as parameter.
7 #
8
9 def findMedian(arr):
10  # Write your code here
11  n=len(arr)
12  arr.sort()
13 if(len(arr)%2==0):
14  return (arr[n/2]+arr[(n/2)-1])/2
15 else:
16  return arr[int(n/2)]
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0725 sec	14.7 KB
Testcase 2	Easy	Hidden case	Success	35	0.0912 sec	14.7 KB
Testcase 3	Easy	Hidden case	Success	35	0.0877 sec	14.6 KB
Testcase 4	Easy	Hidden case	Success	35	0.1349 sec	22.9 KB

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