

Mock Test > mdshafiulmondol02@gmail.com

Full Name: Md Shafiul Islam Email: mdshafiulmondol02@gmail.com Test Name: **Mock Test** Taken On: 27 Dec 2024 18:59:30 IST Time Taken: 12 min 2 sec/ 15 min Invited by: Ankush Invited on: 27 Dec 2024 18:58:42 IST Skills Score: Tags Score: Algorithms 105/105 Core CS 105/105 Easy 105/105 Problem Solving 105/105

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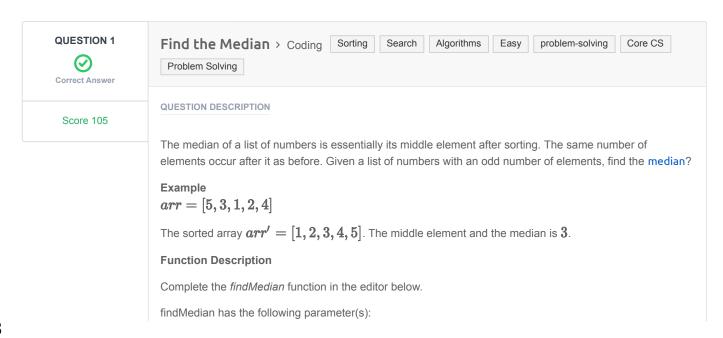


scored in **Mock Test** in 12 min 2 sec on 27 Dec 2024 18:59:30 IST

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 $m{n}$ 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: C++14

```
1 #include <bits/stdc++.h>
 2 using namespace std;
 3 int main(){
     int n,a;
 4
      cin>>n;
      priority_queue<int, vector<int>, greater<int>> p;
     vector <int >v;
 8
     for (int i=0; i< n; i++) {
 9
          cin>>a;
         p.push(a);
      while(!p.empty()){
         v.push_back(p.top());
14
         p.pop();
      cout<<v[n/2];
17 }
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0087 sec	8.83 KB
Testcase 2	Easy	Hidden case	Success	35	0.0113 sec	9.01 KB
Testcase 3	Easy	Hidden case	Success	35	0.0113 sec	9.05 KB
Testcase 4	Easy	Hidden case	Success	35	0.0396 sec	9.1 KB

No Comments

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