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Mock Test Test

Name:

21 Oct 2023 01:32:30 IST Taken

On:

2 min 10 sec/ 10 min Time

Taken:

Resume: https://hackerrank-

resumes.s3.amazonaws.com/12216067/NeyaRbrS_h60_OczMKX3xAyHjQwG1mkEovOLeLB9fntAelVcNTf7D8FqE5dM72JFyA/Mohamed_Samir_Salem___Flutter_Developer.pdf

100%

105/105

scored in Mock Test in 2 min 10 sec

on 21 Oct 2023 01:32:30 IST

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Invited

Ankush by:

Invited on:

21 Oct 2023 01:18:17 IST

Skills Score:

Tags Score: Algorithms 105/105 Core CS 105/105

Easy 105/105

Problem Solving 105/105

Search 105/105

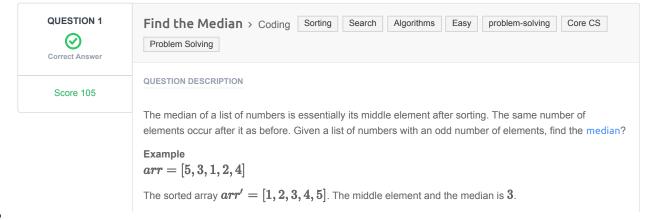
Sorting 105/105

problem-solving 105/105

Recruiter/Team Comments:

No Comments.





Function Description

Complete the *findMedian* function in the editor below.

findMedian has the following parameter(s):

• 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: C++14

```
1 #include "bits/stdc++.h"
3 using namespace std;
5 typedef long long int 11;
6 #define all(a) a.begin(),a.end()
8 ll dx[] = \{+0, +0, -1, +1, +1, +1, -1, -1\};
9 ll dy[] = \{-1, +1, +0, +0, +1, -1, +1, -1\};
11 void Depressed() {
ios_base::sync_with_stdio(false);
     cin.tie(nullptr);
     cout.tie(nullptr);
15 // #ifndef ONLINE JUDGE
16 // freopen("input.in", "r", stdin);
         freopen("output.txt", "w", stdout);
18 // #endif
19 }
21 const 11 00 = 0X3F3F3F3F3F3F3F3F;
22 const 11 N = 1e5 + 5, INF = INT MAX, MOD = 1e9 + 7, LOG = 20;
25 bool comp (string a, string b) {
     if(a.length() == b.length()) return a < b;</pre>
      else return a.length() < b.length();</pre>
28 }
29 void solve(ll test_case) {
30 int n;
     cin >> n;
```

```
vector<int> a(n);
     for(auto &item : a) {
     cin >> item;
36 }
37 sort(all(a));
38 cout << a[a.size()/2 ] <<endl;
40 }
41
42 int main() {
     _Depressed();
     ll tc;
     tc = 1;
46 // cin >> tc;
for (ll test_case = 1; test_case <= tc; test_case++) {
48
49 }
        solve(test_case);
50 }
  TESTCASE DIFFICULTY TYPE
                                    STATUS SCORE TIME TAKEN MEMORY USED
  Testcase 1
               Easy
                        Sample case
                                   Success
                                                0
                                                      0.0651 sec
                                                                    8.84 KB
                                   Success
  Testcase 2
               Easy
                        Hidden case
                                                      0.0481 sec
                                                                     8.8 KB
                                                       0.0517 sec
                                                                     8.8 KB
  Testcase 3
               Easy
                        Hidden case
                                   Success
                                                35
  Testcase 4
               Easy
                        Hidden case
                                   Success
                                                35
                                                       0.0664 sec
                                                                    9.01 KB
No Comments
```

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