

DAA SKILL 3

2000030814

POORNA SASANK VANDANAPU

TEACHER : NAGA LAKSHMI MAM

The image consists of two screenshots from the HackerRank website. The top screenshot shows the user's profile page for 'Daa5k183'. The profile includes a 'Current Rating' of 666 and a list of challenges: 'Sherlock and Array', 'Missing Numbers', 'Find the Median', 'Closest Neighbors', and 'Pairs'. Each challenge card displays the success rate, maximum score, difficulty level, and a 'Try Again' button. The bottom screenshot shows the 'Sherlock and Array' challenge page. It indicates the user submitted a solution 7 days ago with a score of 10.00 and a status of 'Status: Accepted'. A table shows that all seven test cases passed. Below this, the 'Submitted Code' section displays a C++ program that calculates the minimum number of deletions required to make an array a geometric progression.

**Challenge List:**

- Sherlock and Array**: Success Rate: 96.83%, Max Score: 10, Difficulty: Easy
- Missing Numbers**: Success Rate: 96.83%, Max Score: 10, Difficulty: Easy
- Find the Median**: Success Rate: 96.84%, Max Score: 10, Difficulty: Easy
- Closest Neighbors**: Success Rate: 96.10%, Max Score: 10, Difficulty: Easy
- Pairs**: Success Rate: 96.54%, Max Score: 10, Difficulty: Medium

**Sherlock and Array Challenge Details:**

Submitted 7 days ago | Score: 10.00 | Status: Accepted

Test Case #1	Test Case #2	Test Case #3
✓	✓	✓
✓	✓	✓
✓	✓	✓

**Submitted Code (C++):**

```
1 #include <iostream>
2
3 using namespace std;
4
5 int main() {
6     int n;
7     cin >> n;
8     long long *a = new long long[n];
9     for (int i = 0; i < n; i++) {
10         cin >> a[i];
11     }
12     long long first = a[0], last = a[n-1];
13     long long count = 0;
14     for (int i = 1; i < n; i++) {
15         if (a[i] != first * (last / first)) {
16             count++;
17         }
18     }
19     cout << count << endl;
20     return 0;
21 }
```

Missing Numbers Submissions

hackerank.com/contests/track8/problems/missing-numbers/submissions/code/1140733047

HackerRank PRACTICE CERTIFICATION COMPLETE LEADERBOARD

AD Context: 7 Desktop 3 Missing Numbers

## Missing Numbers

Submitted 7 days ago - Score: 10.00

Status: Accepted

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
✓	Test Case #3	✓	Test Case #4		

Submitted Code

```
1 #include <iostream>
2 #include <vector>
3 #include <math.h>
4 #include <stdio.h>
5
6 #define read_int(x) scanf("%d", &x)
7 #define READ_SIZE
8 #define BASE_SIZE (BASE + 1)
9 #define COUNT_SIZE (BASE + 1)
10
11 int main() {
12
13     int n, k;
14     int base, k, t;
15     int count[COUNT_SIZE];
```

Find the Median Submissions

hackerank.com/contests/track8/problems/find-the-median/submissions/code/1140733047

HackerRank PRACTICE CERTIFICATION COMPLETE LEADERBOARD

AD Context: 7 Desktop 3 Find the Median

## Find the Median

Submitted 34 minutes ago - Score: 10.00

Status: Accepted

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
✓	Test Case #3				

Submitted Code

```
1 #include <iostream>
2 #include <vector>
3 #include <math.h>
4 #include <stdio.h>
5
6 int compare(const void *a, const void *b)
7 {
8     return *(int*)a - *(int*)b;
9 }
10
11 int main() {
12
13     int count;
14     scanf("%d", &count);
```

Closest Numbers Submission #1

log in / create my profile

hackerank.com/challenges/closest-numbers/submissions/14471060

hackerank

PROBLEMS

COMPANIES

CONTESTS

LEARNING

Log out

Profile

Submissions

Closest Numbers

Problems

Submissions

Leaderboard

Discussion

Submitted 7 days ago • Java 15.0

Status: Accepted

✓

Test Case #1

✓

Test Case #1

✓

Test Case #2

✓

Test Case #3

✓

Test Case #4

✓

Test Case #5

Submitted Code

Copy to editor

```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 public class Solution {
8
9     public static void main(String[] args) {
10         Scanner sc = new Scanner(System.in);
11         int n = sc.nextInt();
12         int[] arr = new int[n];
13         for(int i = 0; i < n; i++) {
14             arr[i] = sc.nextInt();
15         }
16     }
17 }
```

Type here to search

25°C Haze

25-05-2022