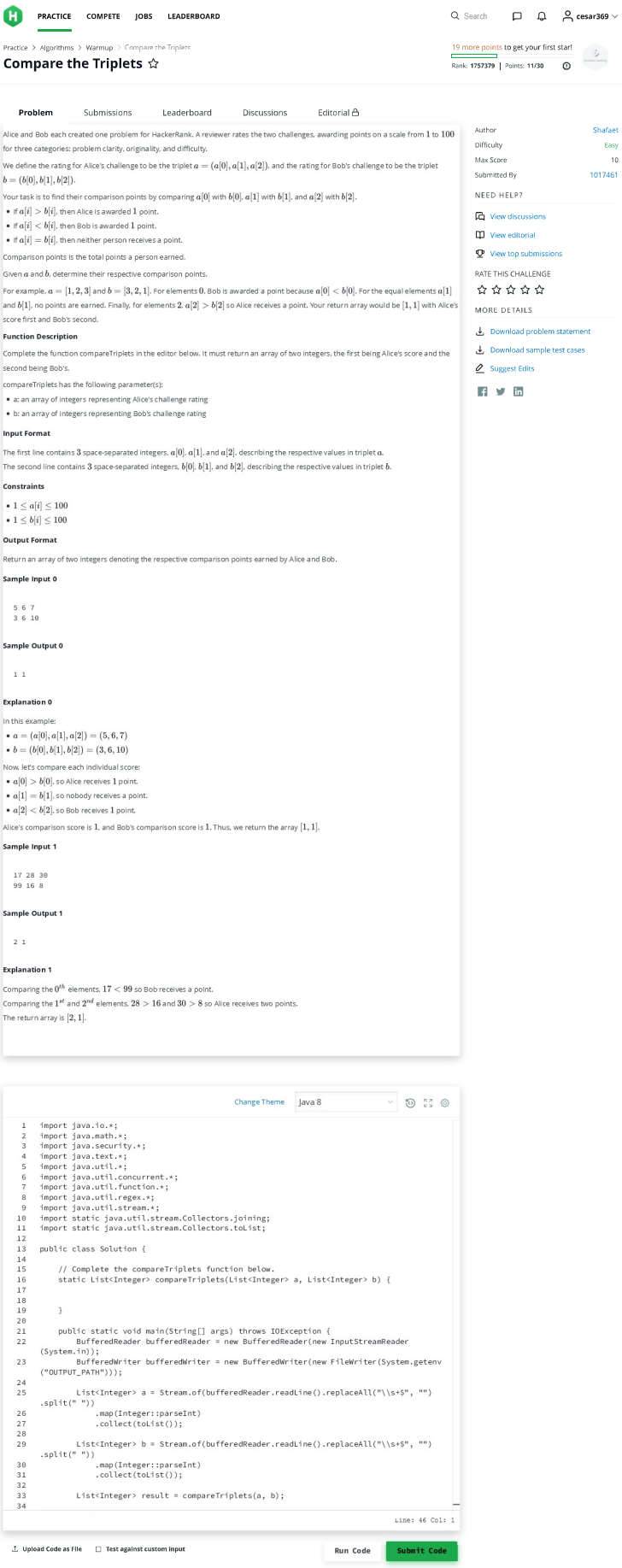
PRACTICE
COMPETE
JOBS
LEADERBOARD
Search
cesar369
Practice > Algorithms > Warmup > Compare the Triplets
Compare the Triplets
19 more points to get your first star!
Rank: 1757379 | Points: 11/30
Problem
Submissions
Leaderboard
Discussions
Editorial
Author Shafaet
Difficulty Easy
Max Score 10
Submitted By 1017461
NEED HELP?
View discussions
View editorial
View top submissions
RATE THIS CHALLENGE
MORE DETAILS
Download problem statement
Download sample test cases
Suggest Edits
Alice and Bob each created one problem for HackerRank. A reviewer rates the two challenges, awarding points on a scale from 1 to 100 for three categories: problem clarity, originality, and difficulty.
We define the rating for Alice's challenge to be the triplet $a = (a[0], a[1], a[2])$, and the rating for Bob's challenge to be the triplet $b = (b[0], b[1], b[2])$.
Your task is to find their comparison points by comparing $a[0]$ with $b[0]$, $a[1]$ with $b[1]$, and $a[2]$ with $b[2]$.
If $a[i] > b[i]$, then Alice is awarded 1 point.
If $a[i] < b[i]$, then Bob is awarded 1 point.
If $a[i] = b[i]$, then neither person receives a point.
Comparison points is the total points a person earned.
Given a and b, determine their respective comparison points.
For example, $a = [1, 2, 3]$ and $b = [3, 2, 1]$. For elements 0, Bob is awarded a point because $a[0] < b[0]$. For the equal elements $a[1]$ and $b[1]$, no points are earned. Finally, for elements 2, $a[2] > b[2]$ so Alice receives a point. Your return array would be $[1, 1]$ with Alice's score first and Bob's second.
Function Description
Complete the function compareTriplets in the editor below. It must return an array of two integers, the first being Alice's score and the second being Bob's.
compareTriplets has the following parameter(s):
a: an array of integers representing Alice's challenge rating
b: an array of integers representing Bob's challenge rating
Input Format
The first line contains 3 space-separated integers, $a[0]$, $a[1]$, and $a[2]$, describing the respective values in triplet a.
The second line contains 3 space-separated integers, $b[0]$, $b[1]$, and $b[2]$, describing the respective values in triplet b.
Constraints
$1 \le a[i] \le 100$
$1 \le b[i] \le 100$
Output Format
Return an array of two integers denoting the respective comparison points earned by Alice and Bob.
Sample Input 0
5 6 7
3 6 10
Sample Output 0
1 1
Explanation 0
In this example:
$a = (a[0], a[1], a[2]) = (5, 6, 7)$
$b = (b[0], b[1], b[2]) = (3, 6, 10)$
Now, let's compare each individual score:
$a[0] > b[0]$, so Alice receives 1 point.
$a[1] = b[1]$, so nobody receives a point.
$a[2] < b[2]$, so Bob receives 1 point.
Alice's comparison score is 1, and Bob's comparison score is 1. Thus, we return the array $[1, 1]$.
Sample Input 1
17 28 30
99 16 8
Sample Output 1
2 1
Explanation 1
Comparing the 0^{th} elements, $17 < 99$ so Bob receives a point.
Comparing the 1^{st} and 2^{nd} elements, $28 > 16$ and $30 > 8$ so Alice receives two points.
The return array is $[2, 1]$.
Change Theme
Java 8
1 import java.io.*;
2 import java.math.*;
3 import java.security.*;
4 import java.text.*;
5 import java.util.*;
6 import java.util.concurrent.*;
7 import java.util.function.*;
8 import java.util.regex.*;
9 import java.util.stream.*;
10 import static java.util.stream.Collectors.joining;
11 import static java.util.stream.Collectors.toList;
12
13 public class Solution {
14
15 // Complete the compareTriplets function below.
16 static List<Integer> compareTriplets(List<Integer> a, List<Integer> b) {
17
18
19 }
20
21 public static void main(String[] args) throws IOException {
22 BufferedReader bufferedReader = new BufferedReader(new InputStreamReader(System.in));
23 BufferedWriter bufferedWriter = new BufferedWriter(new FileWriter(System.getenv("OUTPUT_PATH")));
24
25 List<Integer> a = Stream.of(bufferedReader.readLine().replaceAll("\\s+$", "").split(" "))
26 .map(Integer::parseInt)
27 .collect(toList());
28
29 List<Integer> b = Stream.of(bufferedReader.readLine().replaceAll("\\s+$", "").split(" "))
30 .map(Integer::parseInt)
31 .collect(toList());
32
33 List<Integer> result = compareTriplets(a, b);
34
Line: 46 Col: 1
Upload Code as File
Test against custom input
Run Code
Submit Code
Contest Calendar | Blog | Scoring | Environment | FAQ | About Us | Support | Careers | Terms Of Service | Privacy Policy | Request a Feature