Lew born Study/Learning » MCT Mock Entonica Coling 1 ho 3 coding Iquestion - 20mm texplain qualin Lapporace Coding Part module - Z

Take an **array** as input. Given condition is that the array contains all the **unique** elements. Then take **k** as an 10 - marks integer input and print all the combinations of the pairs whose  $absolute \ difference \ is \ k.$ First line contains an integer number **n** representing size of array. Second line contains n integer numbers representing elements of the array. Third line contains an integer number k 1 <= n <= 100000 0 <= array[index] <= 100000 26. 0 <= k <= 1000000 Output Format Sample Input 0 12345 Sample Output 0 1 4 2 5 Explanation 0 |arr[0] - arr[3]| = |1 - 4| = 3 |arr[1] - arr[4]| = |2 - 5| = 3 **Submitted Code** Language: Java 15 1 import java.io.\*; 2 import java.util.\*; 4 public class Solution { public static void main(String[] args) {
 Scanner sc = new Scanner(System.in);
 int n = sc.nextInt();
 int arr[] = new int[n];
 for(int ine);iarr.length;i+:)arr[i]=sc.nextInt(); int k=sc.nextInt();
findDiffer(arr,k); }
public static void findDiffer(int arr[] , int k){
for(int i=0;icarr.length;i++){
 for(int j=i;jcarr.length;j++){
 if(Math.abs(arr[i]-arr[j])==k)System.out.println(arr[i]+" "+arr[j]); 160% for (1=0: for (3 =0; Advance foo(i=0; ->

Given the array **nums**, for each **nums**[i] find out how many numbers in the array are **smaller** than it. That is, for each **nums**[i] you have to **count** the number of valid j's such that j!= i and **nums**[i] < **nums**[i]

#### NOTE:-

After answering the question, attempt the related question in the linked resource to improve your understanding of the question . Click here

#### Input Format

First line contains an integer N representing the size of array.

Second line contains N number of integers representing the elements of array.

## Constraints

```
0 <= N <= 10000
0 <= arr[i] <= 10000
```

## **Output Format**

Print the required answer.

#### Sample Input 0

```
5
8 1 2 2 3
```

#### Sample Output 0

```
4 0 1 1 3
```

# **Submitted Code**

```
Language: Java 15
 1 import java.io.*;
 2 import java.util.*;
 4 public class Solution {
       public static void main(String[] args) {
           Scanner sc = new Scanner(System.in);
            int n = sc.nextInt();
            int arr[]= new int[n];
10
            for(int i=0;i<n;i++){
                arr[i]=sc.nextInt();
12
13
            int ans []= countSmaller(arr);
14
            for(int i=0;i<ans.length;i++){</pre>
15
                System.out.print(ans[i]+" ");
16
17
18
       public static int[] countSmaller(int [] arr){
           int ans []= new int[arr.length];
for(int i=0;i<arr.length;i++){</pre>
19
20
21
                int count=0; •
22
                for(int j=0;j<arr.length;j++){</pre>
23
                     if(i!=j && arr[i]>arr[j])count++;
24
25
                ans[i]=count;
26
27
            return ans;
28
29 }
```

[8, 1, 2, 2, 3]

(or, 0, 1, 1, 3)

(or ( ) = 0 )

(for ( ) = 0 )

(fire) exaction ()

(or ( ) = 0 )

2,3,3)
counter 1
country
y

Given an array **arr[]** of size N of positive integers(1 - N). One number 'A' from set **{1, 2, ...N}** is **missing** and one number 'B' **occurs twice** in array. Write a program to print the **repeating element** and the **missing element** in array.

#### Input Format

First line contains integer input N (size of array).

Second line contains n integers of arr[] elements.

#### Constraints

```
1 \le N \le 10^{4}
1 \le arr[i] \le N
```

#### **Output Format**

In the first line print repeating element.

In the second line contains print missing element

## Sample Input 0

```
1 2 4 4
```

#### Sample Output 0

3

## Explanation 0

Repeating number is 4 and smallest positive missing number is 3 in given array.

## **Submitted Code**

```
Language: Java 15
 1 import java.io.*;
 2 import java.util.*;
 4 public class Solution {
       public static void main(String[] args) {
         Scanner sc = new Scanner(System.in);
           int n = sc.nextInt();
           int [] arr = new int[n];
           for(int i=0;i<n;i++)arr[i]=sc.nextInt();</pre>
           repatMissing(arr);
13
14
       public static void repatMissing(int [] arr){
15
           int rept = 0:
           int missing = 0;
           int arrElemetSum=0;
           int naturalNumSum=0;
           for(int i =0;i<arr.length;i++){
               arrElemetSum+=arr[i];
               naturalNumSum+=i+1;
               int count = 0;
               for(int j=0;j<arr.length;j++){</pre>
24
                   if(arr[i]==arr[j])count++;
               if(count==2){
                   rept=arr[i];
28
29
30
31
           System.out.println(rept);
           int differ=Math.abs(naturalNumSum-arrElemetSum);
33
           if(arrElemetSum>naturalNumSum){
34
35
36
               System.out.println(rept-differ);
           }else{
           System.out.println(differ+rept);
37
38
39 }
```

Given an array of size **n** with **unique** integer elements. And then take **m** as an integer input. Declare the **second array** of size **m** that stores values of int data-type. Then take **m** integer inputs and store them in the array one by one.

Then **print all the elements** of the first array whose **absolute values** are present in the second array. You shouldn't use any extra space.

## Input Format

First line contains integer number **n** representing size of first array.

Second line contains **n** integer inputs representing elements of first array.

Third line contains integer number **m** representing size of second array.

Fourth line contains **m** integer inputs representing elements of second array.

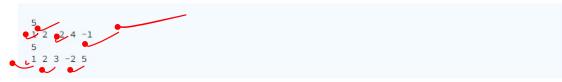
## Constraints

```
1 <= n,m <= 100000
0 <= arr1[i],arr2[i] <= 100000
```

## **Output Format**

An series on integer element in single line.

# Sample Input 0



# Sample Output 0



# Explanation 0

Second array contains only absolute value of 1, 2,-2 and -1.

