REC-CIS GE23131-Programming Using C-2024 Quiz navigation Show one page at a time Finish review

Question 1

Marked out of

Flag question

Correct

1.00

Constraints: 1<=t<=10 1<=n<=1000 1<=a[i]<=1000 Input: 1 5 1 4

Status Finished

Duration 16 days 21 hours

given array.

Started Monday, 23 December 2024, 5:33 PM

Coders here is a simple task for you, you have given an array of size N and an integer M.

Your task is to calculate the difference between maximum sum and minimum sum of N-M elements of the

Completed Friday, 6 December 2024, 8:14 PM

First line contains an integer **T** denoting the number of testcases. First line of every testcase contains two integer N and M. Next line contains **N** space separated integers denoting the elements of array **Output:** For every test case print your answer in new line 12345

SAMPLE INPUT SAMPLE OUTPUT Explanation M is 1 and N is 5 so you have to calculate maximum and minimum sum using (5-1 =) 4 elements. Maximum sum using the 4 elements would be (2+3+4+5=)14. 3 ₹ { 4

Minimum sum using the 4 elements would be (1+2+3+4=)10. Difference will be 14-10=4. **Answer:** (penalty regime: 0 %) 1 #include<stdio.h> 2 int main() int t; scanf("%d",&t); while(t--) 7 * int n,m,d,min,temp; 8 scanf("%d %d",&n,&m); d=n-m; 10 int arr[n]; 11 for(int i=0;i<n;i++)</pre> 12 scanf("%d",&arr[i]); 13 for(int j=0;j<n;j++)</pre> 14 15 v 16 min=j; for (int k=j;k<n;k++)</pre> 17 18 19 20 21 temp=arr[min]; 22 arr[min]=arr[j]; 23 arr[j]=temp; 24 25 int maxsum=0,minsum=0; 26 for (int a=0;a<d;a++) 27 minsum+=arr[a]; 28 for(int b=n-1;b>m-1;b--) 29 30 maxsum+=arr[b]; printf("%d\n",maxsum-minsum); 31 32 33 34 35 36 37

if (arr[k]<arr[min])</pre>

min=k;

Expected Got

Print a single line containing 'Yes' or 'No'.

Strength of vaccines and midichlorians count of patients fit in integer.

Input Constraint

1 < N < 10

SAMPLE INPUT

123 146 454 542 456

100 328 248 689 200

SAMPLE OUTPUT

Answer: (penalty regime: 0 %)

1 #include<stdio.h>

scanf("%d",&n);

int vac[n],pat[n];

for (int i=0;i<n;i++)</pre> scanf("%d",&vac[i]);

for(int i=0;i<n;i++)</pre> scanf("%d",&pat[i]);

for(int j=0;j<n-1;j++)</pre>

min1=j;min2=j;

min1=k;

min2=k;

temp=vac[min1]; vac[min1]=vac[j];

temp=pat[min2];

pat[min2]=pat[j];

if(vac[i]<=pat[i])</pre>

Expected Got

No

No

flag=0; break;

if(flag==1)

else

Input

Passed all tests! <

Output format

printf("Yes");

printf("No");

123 146 454 542 456

100 328 248 689 200

vac[j]=temp;

pat[j]=temp;

for(int i=0;i<n;i++)</pre>

}

for(int k=j;k<n;k++)</pre>

if (vac[k]<vac[min1])</pre>

if(pat[k]<pat[min2])</pre>

int n,min1,min2,temp,flag=1;

2 int main()

4

8 9

10 11

15 16 •

17 18

19

20

21 22 23

24

25 26 27

28 29

30

31 32 *

40 41

42 43

5

No

38 39 40 Input 5 1 1 2 3 4 5 Passed all tests! < A new deadly virus has infected large population of a planet. A brilliant scientist has discovered a new strain of virus which can cure this disease. Vaccine produced from this virus has various strength depending on midichlorians count. A person is cured only if midichlorians count in vaccine batch is more than midichlorians count of person. A doctor receives a new set of report which contains midichlorians count of each infected patient, Practo stores all vaccine doctor has and their midichlorians count. You need to determine if doctor can save all patients with the vaccines he has. The number of vaccines and patients are equal. **Input Format** First line contains the number of vaccines - N. Second line contains N integers, which are strength of vaccines. Third line contains N integers, which are midichlorians count of patients. **Output Format**

Question 2

Marked out of

Flag question

Correct

1.00

Question **3** You are given an array of n integer numbers a_1, a_2, \ldots, a_n . Calculate the number of pair of indices (i, j) such that Correct $1 \le i < j \le n$ and $a_i \times a_j = 0$. Marked out of 1.00 **Input format** Flag question - First line: **n** denoting the number of array elements - Second line: n space separated integers a_1, a_2, \ldots, a_n .

Output the required number of pairs. Constraints $1 \le n \le 10^6$ $1 \le a_i \le 10^9$ SAMPLE INPUT 5 13143 2 Explanation

Question 4 Correct Marked out of 1.00 Flag question

42013

5 45371

3 ₹ {

10 11 *

12

13 14 15

16

17 18 v

19 20 v

21

22 23 24

25

26 27 28

Input

Passed all tests! <

4 5 3 7 1

for(int i=1;i<n;i++)</pre>

max=arr[i];

max++;

int min=0;

if(arr[i]>max)

for (int a=0;a<n;a++)</pre>

min=b;

for(int b=0;b<n;b++)</pre>

if(arr[b]<arr[min])</pre>

 $A = \{4,5,3,7,1\}$ INPUT: OUTPUT: Output consists of a single line of integers **CONSTRAINTS:** 1<=m<=106 0 < =A[i] < = 106

12 * 13 14 15 16 17 18 } Input Passed all tests! < **Example:**

int n, count=0; scanf("%d",&n); int arr[n]; for(int i=0;i<n;i++)</pre> scanf("%d",&arr[i]); for(int i=0;i<n-1;i++)

SAMPLE OUTPUT The 2 pair of indices are (1, 3) and (2,5). **Answer:** (penalty regime: 0 %) 1 #include<stdio.h> int main()

for(int j=i+1;j<n;j++)</pre>

if((arr[i]^arr[j])==0) count++; printf("%d",count); **Expected Got** 2 1 3 1 4 3 You are given an array **A** of non-negative integers of size **m**. Your task is to sort the array in non-decreasing order and print out the original indices of the new sorted array.

After sorting the new array becomes $A=\{1,3,4,5,7\}$. The required output should be "4 2 0 1 3" The first line of input consists of the size of the array The next line consists of the array of size m

NOTE: The indexing of the array starts with 0. **SAMPLE INPUT** SAMPLE OUTPUT Answer: (penalty regime: 0 %) 1 #include(stdio.h) int main() int n; scanf("%d",&n); int arr[n]; for (int i=0;i<n;i++)</pre> scanf("%d",&arr[i]); int max=arr[0];

> printf("%d ",min); arr[min]=max; **Expected Got** 4 2 0 1 3 4 2 0 1 3 🗸

> > Finish review