**REC-CIS** 

GE23131-Programming Using C-2024

Quiz navigation Show one page at a time Finish review

Status Finished

**Duration** 2 days 2 hours

integer *M*.

**Constraints:** 

1<=t<=10

Input:

**Output:** 

1

51

4

12345

SAMPLE INPUT

SAMPLE OUTPUT

Explanation

(5-1=) 4 elements.

Difference will be 14-10=4.

2 v int main(){

3

6

8

10

11

12

13 14 15

16 17

18

19 20

21

22

23 24 25

26 27

28

29

30 31 32

}

Input

1

5 1

Passed all tests! <

are equal.

**Input Format** 

**Output Format** 

**Input Constraint** 

**SAMPLE INPUT** 

123 146 454 542 456

100 328 248 689 200

Answer: (penalty regime: 0 %)

2 v int main(){

4

Question **3** 

Marked out of

Correct

1.00

 Flag question #include<stdio.h>

int n,min1,min2,temp,flag=1;
scanf("%d",&n);

Expected

No

Got

No

**✓** 

int vac[n],pat[n];

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

**SAMPLE OUTPUT** 

5

No

1 < N < 10

midichlorians count of patients.

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

1 2 3 4 5

Answer: (penalty regime: 0 %)

1 #include<stdio.h>

int t;

while(t--)

scanf("%d",&t);

d=n-m;

int arr[n];

int n,m,d,min,temp;

scanf("%d %d ",&n,&m);

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

scanf("%d",&arr[i]);

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

min=k;

temp=arr[min];

arr[j]= temp;

int maxsum=0,minsum=0; for(int a=0;a<d;a++)</pre>

for(int b=n-1;b>m-1;b--)

minsum+=arr[a];

maxsum+=arr[b];

**Expected** Got

**✓** 

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

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

arr[min]=arr[j];

min=j;

1<=n<=1000

1<=a[i]<=1000

Question 1

Marked out of

Correct

1.00

question

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

Your task is to calculate the difference between maximum sum and

First line contains an integer **T** denoting the number of testcases.

Next line contains **N** space separated integers denoting the elements of array

M is 1 and N is 5 so you have to calculate maximum and minimum sum using

First line of every testcase contains two integer N and M.

For every test case print your answer in new line

*minimum sum of N-M* elements of the given array.

Completed Saturday, 21 December 2024, 2:36 PM

Question **2** Correct Marked out of

1.00 ▼ Flag question

scanf("%d",&vac[i]); for(int i=0 ;i<n;i++)</pre> 8 scanf("%d",&pat[i]); 9 10 for(int j=0 ; j<n; j++)</pre> 11 12 13 min1=j,min2=j; for(int k=j;k<n;k++)</pre> 14 15 if(vac[k]<vac[min1])</pre> 16 17 min1=k; if(pat[k]<pat[min2])</pre> 18 19 min2=k; 20 } temp=vac[min1]; 21 vac[min1]=vac[j]; 22 vac[j]=temp; 23 24 25 temp=pat[min2]; pat[min2]=pat[j]; 26 pat[j]=temp; 27 28 for(int i=0;i<n;i++)</pre> 29 30 if(vac[i]<=pat[i])</pre> 31 32 33 flag=0; 34 break; 35 36 37 if(flag==1) printf("Yes"); 38 39 else 40 printf("No"); 41 42 Input 123 146 454 542 456 100 328 248 689 200 Passed all tests! < **Input format** - First line: *n* denoting the number of array elements **Output format** Output the required number of pairs. **Constraints**  $1 \le n \le 10^6$  $1 \le a_i \le 10^9$ **SAMPLE INPUT** 13143 **SAMPLE OUTPUT** Explanation The 2 pair of indices are (1, 3) and (2,5). **Answer:** (penalty regime: 0 %) #include<stdio.h> int main(){ 2 🔻 int n, count=0; 3 scanf("%d",&n); 4 int arr[n]; 6 for(int i=0;i<n;i++)</pre> scanf("%d",&arr[i]); 7 for(int i=0;i<n-1;i++)</pre> 8 9 10 11 12 count++; 13 14 15 printf("%d",count); 16 17 **Expected Got** Input 1 3 1 4 3 Passed all tests! < sorted array. **Example:**  $A={4,5,3,7,1}$ After sorting the new array becomes A={1,3,4,5,7}. The required output should be "4 2 0 1 3" **INPUT:** The first line of input consists of the size of the array The next line consists of the array of size m **OUTPUT:** Output consists of a single line of integers **CONSTRAINTS:** 1<=m<=106 0<=A[i]<=106 NOTE: The indexing of the array starts with 0. **SAMPLE INPUT** 45371 **SAMPLE OUTPUT** 42013 **Answer:** (penalty regime: 0 %) #include<stdio.h> int main() 3 ▼ { int n; 4 scanf("%d",&n); 5 int arr[n]; 6 for(int i=0;i<n;i++)</pre> 7 scanf("%d",&arr[i]); 8 int max=arr[0]; 9 for(int i=1;i<n;i++)</pre> 10 11 • if(arr[i]>max) 12 max=arr[i]; 13

5

2

Question 4

Marked out of

5

}

max++;

int min=0;

14 15

16

17 18

19 20

21

22 23

24 25

26 27

Input

Passed all tests! <

4 5 3 7 1

Correct

1.00

▼ Flag

question

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  $1 \le i < j \le n$  and  $a_i$  xor  $a_j = 0$ . - Second line: n space separated integers  $a_1, a_2, \ldots, a_n$ . for(int j=i+1;j<n;j++)</pre> if((arr[i]^arr[j])==0) 2 **✓** 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 for(int a=0;a<n;a++)</pre> for(int b=0;b<n;b++)</pre> if(arr[b]<arr[min])</pre> min=b; printf("%d ",min); arr[min]=max; Expected Got 4 2 0 1 3 4 2 0 1 3 Finish review

Maximum sum using the 4 elements would be (2+3+4+5=)14. Minimum sum using the 4 elements would be (1+2+3+4=)10. for(int k= j ;k<n;k++)</pre> if(arr[k] < arr[min])</pre> printf("%d\n", maxsum-minsum); 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