**REC-CIS** 

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

Status Finished

Question 1

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Correct

5.00

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question

**Duration** 10 days 3 hours

Started Monday, 23 December 2024, 5:33 PM

have is that they spend all of their money.

indexing, they are at indices 1 and 4.

indices of the prices of the two flavors they buy.

Sunny and Johnny like to pool their money and go to the ice cream parlor.

Johnny never buys the same flavor that Sunny does. The only other rule they

Given a list of prices for the flavors of ice cream, select the two that will cost all

For example, they have m = 6 to spend and there are flavors costing cost = [1, 1]

2, 3, 4, 5, 6]. The two flavors costing 1 and 5 meet the criteria. Using 1-based

Complete the code in the editor below. It should return an array containing the

m: an integer denoting the amount of money they have to spend

The first line contains an integer, t, denoting the number of trips to the ice

cream parlor. The next t sets of lines each describe a visit. Each trip is

The integer **m**, the amount of money they have pooled.

The integer n, the number of flavors offered at the time.

**n** space-separated integers denoting the cost of each flavor:

**Note:** The index within the cost array represents the flavor of the ice cream

For each test case, print two space-separated integers denoting the indices of

cost: an integer array denoting the cost of each flavor of ice cream

Completed Friday, 13 December 2024, 2:00 PM

of the money they have.

**Function Description** 

It has the following:

**Input Format** 

2.

purchased.

**Constraints** 

 $1 \le t \le 50$ 

 $2 \le m \le 10^4$ 

 $2 \le n \le 10^4$ 

**Output Format** 

**Sample Input** 

2

4

5

4

4

14

12

14532

2243

**Sample Output** 

**Explanation** 

Answer: (penalty regime: 0 %)

int main(){

2 🔻 3

4

6

7

8 9

10 11

12

13

14

15 16

17

18 19 20

21 22 23

24

Input

1 4 5 3 2

2 2 4 3

Passed all tests! <

numbers?

**Notes** 

numbers.

It has the following:

**Input Format** 

**Constraints** 

 $n \leq m$ 

**Output Format** 

Sample Input

**Sample Output** 

204 205 206

**Explanation** 

3

6

7 8

9

10

12 13

14

15

16

17 18

19 20

25 26

27 28 29

30

31

32 1 33

34 35

36

37

38 39

40

41 42 43

44

Input

10

13

Passed all tests! <

satisfies the rule as left and right sum to **0**.

element that meets the criterion.

arr: an array of integers

It has the following:

**Input Format** 

**Constraints** 

 $1 \le T \le 10$ 

 $1 \le n \le 10^5$ 

 $0 \le i \le n$ 

right; otherwise print NO.

**Output Format** 

Sample Input 0

123

1233

**Sample Output 0** 

**Explanation 0** 

the given conditions.

**Sample Input 1** 

3

5

4

4

11411

2000

0020

YES

YES

YES

**Explanation 1** 

2 🔻

3

4

5 6

7 🔻

8

9 10

11

12 13

14 15 16

18

19

20 21

22 23

24 •

25 26

27 28 29

30

}

17 **v** int main(){

int T;

**Answer:** (penalty regime: 0 %)

#include <stdio.h>

void check(int n,int arr[]){

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

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

return;

left\_sum+=arr[i];

printf("NO\n");

scanf("%d",&T);

int n;

scanf("%d",&n);

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

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

int arr[n];

check(n,arr);

Expected Got

YES YES

N0

YES

1 1 4 1 1 YES

2 0 0 0

0 0 2 0

1 2 3

1 2 3 3

Passed all tests! <

YES

YES YES

N0

YES

Finish review

while(T--){

return 0;

int total\_sum=0,left\_sum=0;

total\_sum+=arr[i];

printf("YES\n");

**Sample Output 1** 

For the first test case, no such index exists.

4

NO

YES

 $1 \le arr[i] \le 2 \times 10^4$ 

Question **3** 

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question

11 •

Answer: (penalty regime: 0 %)

2 v int main(){

1 #include <stdio.h>

int n,m,c,c1=0, co;

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

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

scanf("%d",&brr[b]);

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

c=1;

break;

ans[c1]=brr[j];

for(int b=0;b<c1;b++){</pre>

co++;

printf("%d ",ans[i]);

203 204 205 206 207 208 203 204 205 206

203 204 204 205 206 207 205 208 203 206 205 206 204

Watson gives Sherlock an array of integers. His challenge is to find an element

of the array such that the sum of all elements to the left is equal to the sum of

between two subarrays that sum to 11. If your starting array is [1], that element

all elements to the right. For instance, given the array arr = [5, 6, 8, 11], 8 is

You will be given arrays of integers and must determine whether there is an

Complete the code in the editor below. It should return a string, either YES if

there is an element meeting the criterion or NO otherwise.

The first line contains T, the number of test cases.

The next **T** pairs of lines each represent a test case.

- The first line contains n, the number of elements in the array arr.

- The second line contains n space-separated integers arr[i] where  $0 \le i < n$ .

For each test case print YES if there exists an element in the array, such that

the sum of the elements on its left is equal to the sum of the elements on its

For the second test case, arr[0] + arr[1] = arr[3], therefore index 2 satisfies

In the first test case, **arr[2] = 4** is between two subarrays summing to **2**.

In the second case, arr[0] = 2 is between two subarrays summing to 0.

if(left\_sum==total\_sum-left\_sum-arr[i]){

In the third case, arr[2] = 2 is between two subarrays summing to 0.

**Expected** 

204 205 2

int temp=ans[a];

ans[a]=ans[co];

ans[co]=temp;

for(int i=0;i<c1;i++){</pre>

if(ans[b]<ans[a]){</pre>

if(arr[i]==brr[j]){

arr[i]=**-1;** 

scanf("%d",&n);

scanf("%d",&m);

c=**0**;

int brr[m],ans[m];

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

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

**if**(c==0){

co=**0**;

return 0;

c1++;

for(int a=0;a<c1;a++){</pre>

int arr[n];

10

13

missing are **[4, 6]**.

is also a missing number.

list is less than or equal to 100.

There will be four lines of input:

**n** - the size of the first list, **arr** 

 $1 \le n, m \le 2 \times 10^5$ 

 $1 \le brr[i] \le 2 \times 10^4$ 

 $X_{max} - X_{min} < 101$ 

Output the missing numbers in ascending order.

203 204 205 206 207 208 203 204 205 206

203 204 204 205 206 207 205 208 203 206 205 206 204

rest of the numbers have the same frequencies in both lists.

204 is present in both arrays. Its frequency in arr is 2, while its frequency in

brr is 3. Similarly, 205 and 206 occur twice in arr, but three times in brr. The

 $\emph{m}$  - the size of the second list,  $\emph{brr}$ 

arr: the array with missing numbers

The next line contains *n* space-separated integers *arr[i]* 

The next line contains **m** space-separated integers **brr[i]** 

brr: the original array of numbers

Question **2** 

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question #include <stdio.h>

int t,m,n,c=0; scanf("%d",&t);

C=0;

return 0;

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

int arr[n];

described as follows:

 $cost[cost[1], cost[2], \ldots, cost[n]].$ 

 $1 \le \cos[i] \le 10^4$ , "  $i \hat{I} [1, n]$ 

There will always be a unique solution.

the two flavors purchased, in ascending order.

Sunny and Johnny make the following two trips to the parlor:

available that day, flavors 1 and 4 have a total cost of 1 + 3 = 4.

available that day, flavors 1 and 2 have a total cost of 2 + 2 = 4.

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

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

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

if (c==1) break;

**Expected Got** 

Numeros the Artist had two lists that were permutations of one another. He was

another, some numbers were lost out of the first list. Can you find the missing

As an example, the array with some numbers missing, arr = [7, 2, 5, 3, 5, 3].

If a number occurs multiple times in the lists, you must ensure that the

frequency of that number in both lists is the same. If that is not the case, then it

Print each missing number once, even if it is missing multiple times.

The difference between maximum and minimum number in the second

You have to print all the missing numbers in ascending order.

Complete the code in the editor below. It should return an array of missing

The original array of numbers brr = [7, 2, 5, 4, 6, 3, 5, 3]. The numbers

very proud. Unfortunately, while transporting them from one exhibition to

1 4

1 2

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

c=1;

break;

for(int b=a+1;b<n;b++){</pre>

if(arr[a]+arr[b]==m){

printf("%d %d\n",a+1,b+1);

The first time, they pool together m = 4 dollars. Of the five flavors

The second time, they pool together m = 4 dollars. TOf the four flavors