



Question 2
Correct

Y Flag question

Calculate the sum of an array of integers.

Example

numbers = [3, 13, 4, 11, 9]

The sum is 3 + 13 + 4 + 11 + 9 = 40.

Function Description

Complete the function arraySum in the editor below.

arraySum has the following parameter(s):

int numbers[n]: an array of integers

Returns

int: integer sum of the numbers array

Constraints

 $1 \le n \le 10^4$

```
* Complete the 'arraySum' function below.
2
3
     \mbox{\scriptsize {\tt +}} The function is expected to return an INTEGER.
4
     * The function accepts INTEGER_ARRAY numbers as parameter.
6
7
8 int arraySum(int n, int *numbers)
9 . {
     int totalsum=0;
for(int i=0;i<n;i++){
   totalsum+=numbers[i];</pre>
10
11 .
12
13
14
            return totalsum;
15
    }
16
```

	Test	Expected	Got	
~	int arr[] = {1,2,3,4,5}; printf("%d", arraySum(5, arr))	15	15	~

Passed all tests! <

Ouestion **3**Correct
P Flag question

Given an array of n integers, rearrange them so that the sum of the absolute differences of all adjacent elements is minimized. Then, compute the sum of those absolute differences. Example n = 5 arr = [1, 3, 3, 2, 4] If the list is rearranged as arr' = [1, 2, 3, 3, 4], the absolute differences are |1-2| = 1, |2-3| = 1, |3-3| = 0, |3-4| = 1. The sum of those differences is 1+1+0+1=3. Function Description Complete the function minDiff in the editor below, minDiff has the following parameter: arr: an integer array Returns: int: the sum of the absolute differences of adjacent elements Constraints $2 \le n \le 105$ $0 \le arr[i] \le 109$, where $0 \le i < n$ Input Format For Custom Testing The first line of input contains an integer, n, the size of arr. Each of the following n lines contains an integer that describes n [i] (where n is n in Sample Case n is Sample Input For Custom Testing STDIN Function n is n in Figure 1. The final answer is n in Figure 1. The first line of input 1. The first line of input 2. The first line of input 3. The first line of input 4. The first line of input 5. The first line of input 5.

Answer: (penalty regime: 0 %)

Reset answer

```
* Complete the 'minDiff' function below.
 2
 3
        * The function is expected to return an INTEGER.

* The function accepts INTEGER_ARRAY are as parameter.
 4
 5
 6
 7
      int minDiff(int n, int* arr)
 8
            int sum=0;
for(int i=0;i<n-1;i++){
    for(int j=0;j<n-i-1;j++){
        int flag=1;
        if(arr[j]>arr[j+1]){
            int temp=arr[j+1];
            arr[j+1]=arr[j];
}
 9 . {
10
11 .
12 .
13
14 .
15
                                  arr[j+1]=arr[j];
arr[j]=temp;
16
17
                            )
if(flag==0)
18
19
                            break;
20
21
22
              for(int i=0;i<n-1;i++){
    sum+=abs(arr[i]-arr[i+1]);</pre>
23 .
24
25
              return sum;
26
27
```

	Test	Expected	Got	
~	<pre>int arr[] = (5, 1, 3, 7, 3); printf("%d", minDiff(5, arr))</pre>	6	6	~