are equal. The array may not be reordered Example arr=[1,2,3,4,6] the sum of the first three elements, 1+2+3=6. The value of the last element is 6, Using zero based indexing, arr[3] =4 is the pivot between the two subarrays. The index of the pivot is 3. Function Description Complete the function balancedSum in the editor below. balancedSum has the following parameter(s): int arr[n]: an array of integers int: an integer representing the index of the pivot - 3 ≤ n ≤ 10<sup>5</sup>  $1 \le arr[i] \le 2 \times 10^4$ , where  $0 \le i < n$ It is guaranteed that a solution always exists. Input Format for Custom Testing Input from stdin will be processed as follows and passed to the function. The first line contains an integer n, the size of the array arr. Each of the next n lines contains an integer, arr[i], where  $0 \le i < n$ . Sample Case 0 Sample Input 0 4 → arr[] size n = 4 -- arr = [1, 2, 3, 3] Sample Output 0 Explanation 0 The sum of the first two elements, 1+2=3. The value of the last element is 3. Using zero based indexing, arr[2]=3 is the pivot between the two subarrays. The index of the pivot is 2. Sample Case 1 Sample Input 1 STDIN Function Parameters → arr = [1, 2, 1] Sample Output 1 1 Explanation 1 The first and last elements are equal to 1. Using zero based indexing, arr[1]=2 is the pivot between the two subarrays. The index of the pivot is 1. Answer: (penalty regime: 0 %) Reset answer 1)- y Complete the 'balancedSum' function below. \* The function is expected to return an IMTEGER.

\* The function accepts INTEGER\_AMRAY are as parameter.

\*/ 

```
Passed all tests! 🗸
 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
 int: integer sum of the numbers array
 1 \le n \le 10^6
 1 \le numbers[i] \le 10^4
 Input Format for Custom Testing
 Input from stdin will be processed as follows and passed to the function.
 The first line contains an integer n, the size of the array numbers.
Each of the next n lines contains an integer numbers[i] where 0 \le i < n.
Sample Case 0
Sample Input 0
STDIN Function
 5 → numbers[] size n = 5
           → numbers = [1, 2, 3, 4, 5]
 Sample Output 0
Explanation 0
1+2+3+4+5=15.
 Sample Case 1
Sample Input 1
STDIN Function
2 → numbers[] size n = 2
 12 - numbers = [12, 12]
 12
 Sample Output 1
 12 + 12 = 24,
 Answer: (penalty regime: 0 %)
   2 * Complete the 'arraySum' function below.
     amperted to return an INTEX

amount of accepts INTEGER_ADRAY numbers

int arraysum(int numbers_count, int *numbers)

int sum=0;

for(int 1-0;inumbers_count;i++){

sum=numbers[1];

return sum;

int sum=1;

int sum=2;

int sum=3;

int s
                       * The function is expected to return an INTEGER.
* The function accepts INTEGER_AMRAY numbers as parameter.
*/
     Passed all tests! 	
 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, 3, 4] = [1, 2, 3, 4] = [1, 2, 3, 4]. The sum of those differences is [1 + 1, 2, 3, 4] = [1, 2, 3, 4] = [1, 2, 3, 4]. The sum of those differences is [1 + 1, 2, 3, 4] = [1, 2, 3, 4] = [1, 2, 3, 4]. The sum of those differences is [1 + 1, 2, 3, 4] = [1, 2, 3, 4] = [1, 2, 3, 4].
```

printf("%d", balancedSum(4, arr))

```
→ numbers[] size n = 5
     → numbers = [1, 2, 3, 4, 5]
Sample Output 0
Explanation 0
1 + 2 + 3 + 4 + 5 = 15
Sample Case 1
Sample Input 1
2 → numbers[] size n = 2
12 → numbers = [12, 12]
12
Sample Output 1
Explanation 1
12 + 12 = 24.
Answer: (penalty regime: 0 %)
Reset answer
  1. /* complete the 'arraySum' function below.
          * The function is expected to return an INTEGER.
* The function accepts INTEGER_ARRAY numbers as parameter.
        int arraySum(int numbers_count, int "numbers)
{
   8 in
9 * {
10
11 *
12
13
14
15 }
             int sum=0;
for(int i=0;i<numbers_count;i++){
    sum+=numbers[i];
             }
return sum;
```

Correct

F 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  $2 \le n \le 105 \le 0$  arr  $[1] \le 109$ , where  $0 \le i < n \le 1$  niput Format For Custom Testing The first line of input contains an integer,  $n \ge 1$  the size of arr. Each of the following  $n \ge 1$  in the sum of the absolute differences of adjacent elements STDIN Function  $n \ge 1$  arr  $n \ge 1$ 

Answer: (penalty regime: 0 %)

```
| The function is expected to return an INTEGER. | The function is expected to return an INTEGER. | The function accepts INTEGER_ARRAY are as parameter. | The function accepts
```