Status	Finished
Started	Monday. 13 January 2025, 4:45 PM
Completed	Monday, 13 January 2025, 5:03 PM
Duration	18 mins 1 sec
Correct	Given an array of numbers, find the index of the smallest array element (the pivot), for which the sums of all elements to the left and to the right 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
	Returns:

```
5
     * The function accepts INTEGER_ARRAY arr as parameter.
 6
 7
    int balancedSum(int arr_count, int' arr)
9
10
        int ==0,n=0;
        for(int i=0;i<arr_count;i++)
11
12 -
            n+-arr[i];
13
14
15
        for(int i=0;i<arr_count;i++)
16
17 .
18 +
            if(m==n-arr[i]){
19
                 return 1;
20
21
            m+=arr[1];
22
            n--arr[i];
23
24
        return 1:
25
26
27
                                      Expected Got
    Test
   int arr[] = {1,2,3,3};
                                      2
                                                2
                                                     ~
    printf("Nd", belencedSum(4, arr))
```

* Complete the 'balancedSum' function below.

* The function is expected to return an INTEGER.

1 +

3 4

Paccod all tactel

Question 2 Correct	Calculate the sum of an array of integers.
P Flag question	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 ≤ n ≤ 10 ⁴
	1 ≤ numbers[i] ≤ 10 ⁴

```
Reset answer
```

Passed all tests! <

```
* Complete the 'arraySum' function below.
 2
 3
     * The function is expected to return an INTEGER.
 4
     * The function accepts INTEGER_ARRAY numbers as parameter.
 6
 7
    int arraySum(int numbers_count, int "numbers)
 8
9 + {
        int 1-8:
10
        for(int i-0;i<numbers_count;i++)
11
12 +
            1+-numbers[1];
13
14
15
        return 1:
16
17
18
```

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

```
Question 3
```

P Flag question

Answer: (penalty regime: 0 %)

Reset answer

```
1 .
 2
       Complete the 'minDiff' function below.
 3
 4
     * The function is expected to return an INTEGER.
     * The function accepts INTEGER ARRAY arr as parameter.
 5
 6
 7
    int minDiff(int arr count, int' arr)
9 .
10
        for(int i-8;i<arr count;i++)
11 .
12
             for(int j=i;j<arr_count;j++)
13 .
14
                 if(i!=1)
15 .
16
                     if(arr[i]>arr[i])
17 .
18
                         int temp-arr[i];
19
                         arr[1]=arr[1];
```

```
7
 8
    int minDiff(int arr_count, int* arr)
 9 .
10
        for(int i=0;i<arr_count;i++)
11 +
12
            for(int j-i;j<arr_count;j++)
13 .
14
                 if(1!-j)
15 .
16
                     if(arr[i]>arr[j])
17 +
18
                         int temp-arr[j];
19
                         arr[j]-arr[i];
20
                         arr[i]-temp;
21
22
23
24
25
        int 1-0;
        for(int i=0;i<arr_count-1;i++){
26 .
27
            1+-arr[i+1]-arr[i];
28
        return 1;
29
30
31
```

	Test	Expected	Got	
~	int arr[] = {5, 1, 3, 7, 3}; printf("%d", minDiff(5, arr))	6	6	~

Passed all tests! <