



Sample Case 1

Sample Input 1

STDIN Function Parameters

$$3 \rightarrow arr[] size n = 3$$

1
$$\rightarrow$$
 arr = [1, 2, 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.

```
7
 8
    int balancedSum(int arr_count, int* arr)
 9 * {
10
       int totalsum = 0;
11
       for (int i =0;i<arr_count;i++)</pre>
12 *
            totalsum += arr[i];
13
14
15
16
       int leftsum =0;
       for(int i=0;i<arr_count;i++){</pre>
17 v
            int rightsum = totalsum - leftsum -arr[i];
18
            if(leftsum==rightsum){
19 *
20
                return i;
21
            leftsum +=arr[i];
22
23
24
       }
25
       return 1;
26
    }
27
```

	Test	Expected	Got	
~	<pre>int arr[] = {1,2,3,3}; printf("%d", balancedSum(4, arr))</pre>	2	2	~

Passed all tests! ✓

Question ${\bf 2}$

Correct

▼ 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

Explanation 0

$$1 + 2 + 3 + 4 + 5 = 15$$
.

Sample Case 1

Sample Input 1

STDIN Function

2
$$\rightarrow$$
 numbers[] size n = 2

12
$$\rightarrow$$
 numbers = [12, 12]

12

Sample Output 1

24

Explanation 1

$$12 + 12 = 24$$
.

```
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```

12 + 12 = 24.

Answer: (penalty regime: 0 %)

Reset answer

```
2
     * Complete the 'arraySum' function below.
 3
     * The function is expected to return an INTEGER.
 4
 5
     * The function accepts INTEGER_ARRAY numbers as parameter.
 6
 7
    int arraySum(int numbers_count, int *numbers)
8
9 + {
        int sum =0;
10
        for (int i =0;i<numbers_count;i++)</pre>
11
12 *
            sum = sum+numbers[i];
13
14
15
        return sum;
16
17
18
```

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

Passed all tests! ✓

Question **3**Correct

Flag question

Answer: (penalty regime: 0 %)

Reset answer

```
6
   */
7
   #include<stdio.h>
   int compare(const void*a,const void*b)
8
9 + {
        return (*(int*)a-*(int*)b);
10
11
12
    int minDiff(int arr_count, int* arr)
13 🔻 {
14
        qsort(arr, arr_count,sizeof(int),compare);
15
        int totaldiff=0;
16
        for(int i =1;i<arr_count;i++)</pre>
17 ▼
18
            totaldiff += abs(arr[i]-arr[i-1]);
19
20
        return totaldiff;
21
    }
22
```

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

Passed all tests! ✓