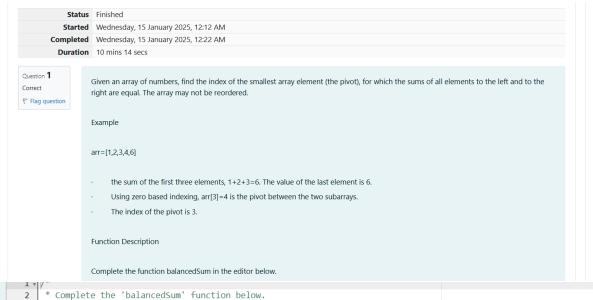
WEEK 13

MAHATHI.B

241701029

CSD



```
3
     * The function is expected to return an INTEGER.
 4
     * The function accepts INTEGER_ARRAY arr as parameter.
 5
 6
    int balancedSum(int arr_count, int* arr)
 8
 9
10
        int totalsum =0;
        for (int i=0;i<arr_count;i++)</pre>
11
12
            totalsum += arr[i];
13
14
        int leftsum=0;
15
16
        for(int i=0;i<arr_count;i++)</pre>
17
             int rightsum =totalsum - leftsum -arr[i];
18
            if (leftsum==rightsum)
19
20
             {
                 return i;
21
22
23
            leftsum +=arr[i];
24
25
        return 1;
26
    }
27
28
```

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

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

```
Complete the 'arraySum' function below.
 2
 3
     * The function is expected to return an INTEGER.
4
     * The function accepts INTEGER_ARRAY numbers as parameter.
5
 6
7
 8
    int arraySum(int numbers_count, int *numbers)
9
10
        int sum =0;
11
        for (int i =0;i<numbers_count;i++)</pre>
12
13
            sum = sum+numbers[i];
14
15
        return sum;
    1
16
17
```

```
        Test
        Expected
        Got

        ✓ int arr[] = {1,2,3,4,5};
        15
        15

        printf("%d", arraySum(5, arr))
        15
        √
```

Answer: (penalty regime: 0 %)

Reset answer

```
* Complete the 'minDiff' function below.
2
 3
    * The function is expected to return an INTEGER.
4
5
     * The function accepts INTEGER_ARRAY arr as parameter.
6
8
       #include <stdlib.h>
9
       int compare(const void *a, const void *b)
10
           return (*(int*)a- *(int*)b);
11
12
13
       int minDiff(int arr_count , int*arr)
14
15
           qsort(arr, arr_count, sizeof(int), compare);
           int totaldiff=0;
16
           for(int i =1;i<arr_count;i++)</pre>
17
18
              totaldiff += abs(arr[i]-arr[i-1]);
19
```

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

Passed all tests! 🗸