

Coding

Done

✓ Assessment-12-User-Defined Functions

☰ Week-12-Coding

✓ Done

✓ Week-12-Recursive Functions

✓ Assessment-12-Recursive Functions

✓ Week-13-Passing Arrays and Strings to Functions

☰ Week-13-Passing Arrays and Strings to Functions

✓ Done

✓ Assessment-13-Passing Arrays and Strings to Functions

```

6   */
7
8 int balancedSum(int arr_count, int* arr)
9 {
10    int totalsum=0;
11    for(int i=0;i<arr_count;i++)
12    {
13        totalsum+=arr[i];
14    }
15    int leftsum=0;
16    for(int i=0;i<arr_count;i++)
17    {
18        int rightsum =totalsum-leftsum-arr[i];
19        if(leftsum==rightsum)
20        {
21            return i;
22        }
23        leftsum+=arr[i];
24    }
25    return 1;
26 }
27

```

Test

Expected

Got

✓	int arr[] = {1,2,3,3};	2	2	✓
	printf("%d", balancedSum(4, arr))			

Passed all tests! ✓

Answer: (penalty regime: 0 %)

[Reset answer](#)

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

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

Passed all tests! ✓

```
1 //  
2 * Complete the 'mindiff' function below.  
3 *  
4 * The function is expected to return an INTEGER.  
5 * The function accepts INTEGER_ARRAY arr as parameter.  
6 */  
7 #include<stdlib.h>  
8 int compare(const void *a,const void *b)  
9 {  
10     return (* (int*)a)-*(int*)b);  
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++)  
17     {  
18         totaldiff+=abs(arr[i]-arr[i-1]);  
19     }  
20     return totaldiff;  
21 }  
22 }
```

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

Passed all tests! ✓