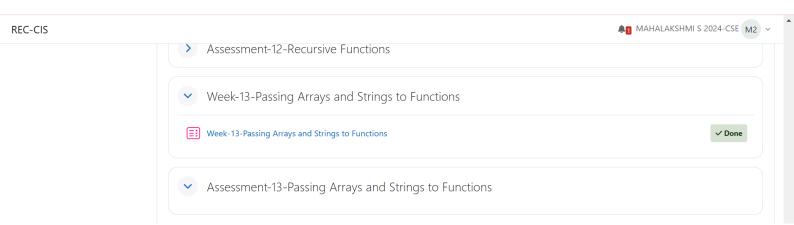
WEEK - 13



```
* Complete the 'balancedSum' function below.
 2
 3
 4
     * The function is expected to return an INTEGER.
 5
     * The function accepts INTEGER_ARRAY arr as parameter.
 6
     */
 7
 8
    int balancedSum(int arr_count, int* arr)
 9 •
         int left = 0, right = 0;
10
         for(int i = 0; i < arr_count; i++){</pre>
11 •
             right += arr[i];
12
13
         }
         for(int i = 0; i < arr_count; i++){</pre>
14 •
             if(left == (right - arr[i]))
15
                return i;
16
17
             left += arr[i];
             right -= arr[i];
18
19
         }
20
         return 1;
21
    }
22
```

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

Passed all tests! <

```
* Complete the 'arraySum' function below.
 2
 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 🔻 {
10
        int sum = 0;
11 v
        for(int i = 0; i < numbers_count; i++){</pre>
12
           sum += numbers[i];
13
14
        return sum;
15
16
```

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

Passed all tests! <

```
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
    int minDiff(int arr_count, int* arr)
 8
 9 🔻 {
        for(int i = 0; i < arr_count - 1; i++){</pre>
10 v
11 *
            for(int j = 0; j < arr_count - i - 1; j++){
12 v
                if(arr[j] > arr[j + 1]){
                     int temp = arr[j];
13
14
                     arr[j] = arr[j + 1];
15
                     arr[j + 1] = temp;
                 }
16
17
18
19
        int sum = 0;
20 v
        for(int i = 0; i < arr_count - 1; i++){</pre>
21
            sum += arr[i + 1] - arr[i];
22
23
        return sum;
24 }
```

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

Passed all tests! <