

```

1  /*
2  * Complete the 'balancedSum' function below.
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  {
10     int l=0,r=0;
11     for(int i=0;i<arr_count;i++)
12     {
13         r+=arr[i];
14     }
15     for(int i=0;i<arr_count;i++)
16     {
17         if(l==r-arr[i])
18         {
19             return i;
20         }
21         l+=arr[i];
22         r-=arr[i];
23     }
24     return 1;
25 }
26
27

```

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

Passed all tests! ✓


```

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 s=0;
11     for (int i=0;i<numbers_count;i++)
12     {
13         s+=numbers[i];
14     }
15     return s;
16 }
17

```

| | 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
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(i!=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 m=0;
26     for(int i=0;i<arr_count-1;i++)
27     {
28         m+=arr[i+1]-arr[i];
29     }
30     return m;
31 }
32

```

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

Passed all tests! ✓