

```

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 left = 0, right = 0;
11     for(int i=0; i<arr_count; i++){
12         right+=arr[i];
13     }
14     for(int i=0; i<arr_count; i++){
15         if(left==(right-arr[i]))
16             return i;
17         left+=arr[i];
18         right-=arr[i];
19     }
20     return 1;
21 }
22

```

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

```

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         sum+=*(numbers+i);
13     }
14     return sum;
15 }
16

```

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

```

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  int compare(const void *a,const void *b){
8      return(*(int*)a-*(int*)b);
9  }
10 int minDiff(int arr_count, int* arr)
11 {
12     qsort(arr,arr_count,sizeof(int),compare);
13     int sum=0;
14     for(int i=1;i<arr_count;i++){
15         sum+=abs(arr[i]-arr[i-1]);
16     }
17     return sum;
18 }
19

```

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

Passed all tests! ✓