

```

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

```

	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 sum=0;
11     for(int i=0;i<numbers_count;i++){
12         sum+=numbers[i];
13     }
14     return sum;
15 }
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 compare(const void*a,const void*b)
9  {
10     return(*(int*)a-*(int*)b);
11 }
12 int minDiff(int arr_count, int* arr){
13     qsort(arr,arr_count,sizeof(int),compare);
14     int sum=0;
15     for(int i=1;i<arr_count;++i){
16         sum+=abs(arr[i]-arr[i-1]);
17     }
18     return sum;
19 }
20
21

```

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

Passed all tests! ✓