

Arrays 1D - Sum of even numbers and odd numbers

Problem

Submissions

Leaderboard

Discussions

Mahe and Mani are playing a puzzle game with a given set of numbers. They need to find the sum of the odd number and the even number. Write a program to help them to solve the puzzle game.

Input Format

Input consists of $n+1$ integers. The first integer corresponds to 'n', the size of the array. The next 'n' integers correspond to the elements in the array. Assume that the maximum value of n is 15.

Constraints

NA

Output Format

Refer to the sample output for details.

Sample Input 0

```
5
2
3
6
8
-1
```

Sample Output 0

```
The sum of the even numbers in the array is 16
The sum of the odd numbers in the array is 2
```

Sample Input 1

```
4
1
2
3
-1
```

Sample Output 1

```
The sum of the even numbers in the array is 2
The sum of the odd numbers in the array is 3
```

Submissions: 664

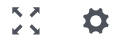
Max Score: 100

Difficulty: Medium

Rate This Challenge:

[More](#)

C



```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main() {
7     int n,i,j,sum1=0,sum2=0;
8     scanf("%d",&n);
9     int a[n];
10    for (i=0 ;i<n;i++)
11    {
12        scanf("%d",&a[i]);
13    }
14    for(j=0;j<n;j++)
15    {
16        if(a[j]%2==0)
17        {
18            sum1+=a[j];
19        }
20        if(a[j]%2!=0)
21        {
22            sum2+=a[j];
23        }
24    }
25    printf("The sum of the even numbers in the array is %d\nThe sum of the odd numbers in the
array is %d",sum1,sum2);
27    return 0;
28 }
```

Line: 1 Col: 1

 Upload Code as File ☐ Test against custom input

Run Code

Submit Code

Testcase 0

Testcase 1

Congratulations, you passed the sample test case.Click the **Submit Code** button to run your code against all the test cases.

Input (stdin)

```
5
2
3
6
8
-1{-truncated-}
```

Your Output (stdout)

```
The sum of the even numbers in the array is 16  
The sum of the odd numbers in the array is 2
```

Expected Output

```
The sum of the even numbers in the array is 16  
The sum of the odd numbers in the array is 2{-truncated-}
```