

Question

Write a program that does the following:

1. Takes an integer input n from the user and creates an array of length n.
2. Takes n integer inputs from the user and stores them in the array.
3. Counts the number of even and odd numbers in the array.
4. If the number of even numbers is equal to the number of odd numbers:
 - o Take a string input from the user.
 - o Print the string along with the number of even (or odd) numbers in the array.
5. Otherwise:
 - o Print the number of even and odd numbers in the array.

Sample Input 1

4

1 2 3 4

Total number of even/odd

Sample Output 1

Total number of even/odd 2

Sample Input 2

5

1 2 3 4 5

Sample Output 2

Even numbers: 2

Odd numbers: 3