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/*
c. Find and display the odd and even numbers in the array. Also,
calculate and
display the sum of odd and even numbers.
*/

import java.util.*;

public class Array_103 {
    public static void main(String[] args) {
        int sum = 0;
        int sum1 = 0;

        Scanner sc = new Scanner(System.in);

        int n;
        System.out.println("Enter the size of the array: ");
        n = sc.nextInt();

        int arr[] = new int[n]; // Declare an array
        System.out.println("Enter the array elements: ");
        for (int i = 0; i < n; i++) {
            arr[i] = sc.nextInt(); // Initialize the array elements
        }
        // Print the even elements
        System.out.println("The Even Elements are...");
        for (int i = 0; i < n; i++) {
            if (arr[i] % 2 == 0) // Check whether even or not
            {
                sum1++;
                System.out.println(arr[i] + " ");
            }
        }
        System.out.println("Total is Even number: " + sum1);
        System.out.println(" ");

        // Print the odd elements
        System.out.println("The Odd Elements are...");
        for (int i = 0; i < n; i++) {
            if (arr[i] % 2 != 0) // check whether odd or not
            {
                sum++;
                System.out.println(arr[i] + " ");
                System.out.println(" ");
            }
        }
        System.out.println("Total of Odd number: " + sum);
        sc.close();
    }
}

```