

Java Programs for Various Tasks

1. Fitness App to Log Steps

```
import java.util.Scanner;

public class FitnessApp {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        int totalSteps = 0;

        int days = 7;

        System.out.println("Enter your steps for each day of the week:");

        for (int i = 1; i <= days; i++) {

            System.out.print("Day " + i + ": ");

            int steps = scanner.nextInt();

            totalSteps += steps;

        }

        double averageSteps = totalSteps / (double) days;

        System.out.println("\nTotal steps taken: " + totalSteps);

        System.out.println("Average steps per day: " + averageSteps);

        scanner.close();

    }
```

```
}
```

2. Program to Count Vowels and Consonants

```
import java.util.Scanner;

public class VowelConsonantCounter {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter a string: ");

        String input = scanner.nextLine().toLowerCase();

        int vowels = 0, consonants = 0;

        for (char c : input.toCharArray()) {

            if (c >= 'a' && c <= 'z') { // Check if character is a letter

                if ("aeiou".indexOf(c) != -1) {

                    vowels++;

                } else {

                    consonants++;

                }

            }

        }

        System.out.println("Number of vowels: " + vowels);

        System.out.println("Number of consonants: " + consonants);

    }

}
```

```
        scanner.close();
    }
}
```

3. Multiplication Table for Odd Numbers

```
public class OddMultiplicationTable {
    public static void main(String[] args) {
        System.out.println("Multiplication Table for Odd Numbers (1 to 10):");

        for (int i = 1; i <= 10; i += 2) { // Loop through odd numbers
            System.out.println("\nMultiplication Table for " + i + ":");
            for (int j = 1; j <= 10; j++) {
                System.out.println(i + " x " + j + " = " + (i * j));
            }
        }
    }
}
```