MIGAL IT SOLUTIONS

JAVA DEVELOPMENT INTERNSHIP

NAME: KAVYA.P

DEPARTMENT: B.TECH IT

COMPANY: MIGAL IT SOLUTIONS

1. **BASIC LEVEL PROJECT**

PROJECT TITLE: DAILY HABIT TRACKER(CONSOLE APPLICATION)

DESCRIPTION:

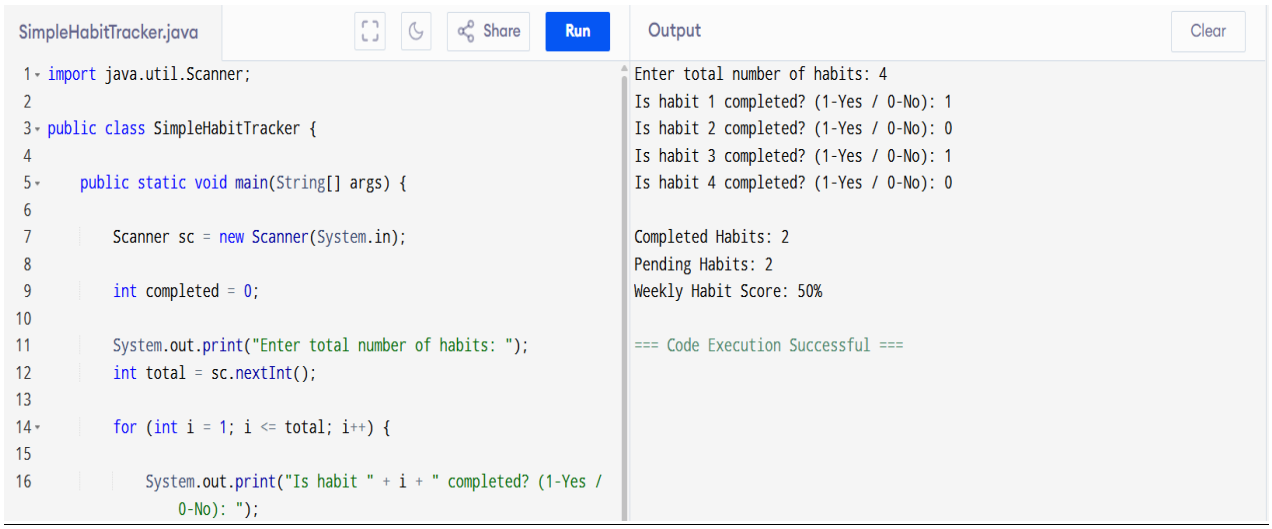
The Daily Habit Tracker is a console-based Java application that helps user strack their daily habits. It allows users to enter habits, mark them as completed or pending, and calculates a weekly habit score.

JAVA PROGRAM:

```
import java.util.Scanner;
public class SimpleHabitTracker {
   public static void main(String[] args) {
      Scanner sc = new Scanner(System.in);
      int completed = 0;
      System.out.print("Enter total number of habits: ");
      int total = sc.nextInt();
      for (int i = 1; i <= total; i++) {
```

```
        System.out.print("Is habit " + i + " completed? (1-Yes / 0-No):
");
        Int status = sc.nextInt();
        if (status == 1) {
            completed++;
        }
    }
    System.out.println("\nCompleted Habits: " + completed);
    System.out.println("Pending Habits: " + (total - completed));
    int score = (completed * 100) / total;
    System.out.println("Weekly Habit Score: " + score + "%");
    sc.close();
  }
}
```

OUTPUT/SCREENSHORTS:



2. MEDIUM LEVEL PROJECT

PROJECT TITLE: Expense Splitter (Mini Split wise Console App)

DESCRIPTION:

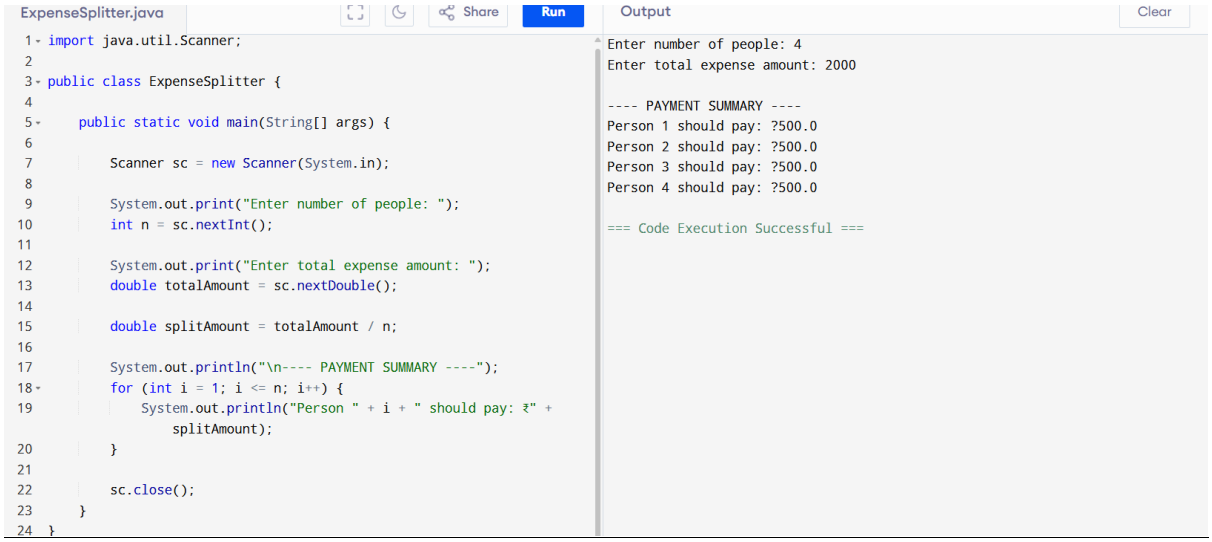
The Expense Splitter is a console-based Java application that divides a total expense equally among people and shows how much each person has to pay.

JAVA PROGRAM:

```
import java.util.Scanner;
public class ExpenseSplitter {
   public static void main(String[] args) {
      Scanner sc = new Scanner(System.in);
      System.out.print("Enter number of people: ");
      int n = sc.nextInt();
      System.out.print("Enter total expense amount: ");
      double total Amount = sc.nextDouble();
      double split Amount = total Amount / n;
      System.out.println("\n---- PAYMENT SUMMARY ----");
```

```
        for (int i = 1; i <= n; i++) {
            System.out.println("Person " + i + " should pay: ₹" +
splitAmount);
        }
        sc.close();
    }
}
```

OUTPUT/SCREENSHORT:



3. ADVANCED LEVEL PROJECT

PROJECT TITLE: Smart Parking Lot System

DESCRIPTION:

Smart Parking Lot System is a console-based Java application that calculates parking charges and stores ticket details using file handling.

JAVA PROGRAM:

```
import java.util.Scanner;
import java.io.FileWriter;
import java.io.IOException;
public class SmartParkingLot {
   public static void main(String[] args) {
      Scanner sc = new Scanner(System.in);
      System.out.print("Enter vehicle number: ");
      String vehicleNo = sc.nextLine();
      System.out.print("Enter parking hours: ");
      int hours = sc.nextInt();
      int charge = hours * 50;
      System.out.println("\n--- PARKING TICKET ---");
      System.out.println("Vehicle Number: " + vehicleNo);
      System.out.println("Parking Hours: " + hours);
```

```
        System.out.println("Total Charge: ₹" + charge);

        // File handling

        try {

            FileWriter fw = new FileWriter("parking_ticket.txt");

            fw.write("Vehicle Number: " + vehicleNo + "\n");

            fw.write("Parking Hours: " + hours + "\n");

            fw.write("Total Charge: ₹" + charge + "\n");

            fw.close();

        } catch (IOException e) {

            System.out.println("File error");

        }

        sc.close();

    }

}
```

OUTPUT/SCREENSHORT:

SmartParkingLot.java

Share | Run

```java
import java.util.Scanner;
import java.io.FileWriter;
import java.io.IOException;

public class SmartParkingLot {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        System.out.print("Enter vehicle number: ");
        String vehicleNo = sc.nextLine();

        System.out.print("Enter parking hours: ");
        int hours = sc.nextInt();

        int charge = hours * 50;

        System.out.println("\n--- PARKING TICKET ---");
        System.out.println("Vehicle Number: " + vehicleNo);
        System.out.println("Parking Hours: " + hours);
        System.out.println("Total Charge: ₹" + charge);

        // File handling
```

Output | Clear

```
Enter vehicle number: TN38CH6530
Enter parking hours: 2

--- PARKING TICKET ---
Vehicle Number: TN38CH6530
Parking Hours: 2
Total Charge: ?100
File error

=== Code Execution Successful ===
```