import java.util.Scanner;

public class StudentPerformanceTracker {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println("===== Student Academic Performance Tracker =====");

// Example subjects

String[] subjects = {"Maths", "TOC", "OOP", "DSA", "DELD"};

int[] marks = new int[subjects.length];

// Input marks

for (int i = 0; i < subjects.length; i++) {

System.out.print("Enter marks for " + subjects[i] + " (0-100): ");

marks[i] = sc.nextInt();

if (marks[i] < 0) marks[i] = 0;

if (marks[i] > 100) marks[i] = 100;

}

System.out.println("\n===== Performance Graph =====");

for (int i = 0; i < subjects.length; i++) {

System.out.printf("%-10s: ", subjects[i]);

int bars = marks[i] / 2; // 50 bars for 100 marks

for (int j = 0; j < bars; j++) {

System.out.print("|");

}

System.out.println(" " + marks[i] + "%");

}

// Average calculation

int total = 0;

for (int mark : marks) {

total += mark;

}

double average = total \* 1.0 / subjects.length;

System.out.printf("\nAverage Performance: %.2f%%\n", average);

sc.close();

}

}