import java.util.Scanner;

public class StudentGradeCalculator {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

// Ask number of subjects

System.out.print("Enter the number of subjects: ");

int n = sc.nextInt();

int[] marks = new int[n];

int total = 0;

// Input marks

for (int i = 0; i < n; i++) {

System.out.print("Enter marks for subject " + (i + 1) + " (out of 100): ");

marks[i] = sc.nextInt();

total += marks[i];

}

// Calculate average

double average = (double) total / n;

// Determine grade

String grade;

if (average >= 90) {

grade = "A+";

} else if (average >= 80) {

grade = "A";

} else if (average >= 70) {

grade = "B";

} else if (average >= 60) {

grade = "C";

} else if (average >= 50) {

grade = "D";

} else {

grade = "F (Fail)";

}

// Display results

System.out.println("\n📊 Student Result 📊");

System.out.println("Total Marks: " + total + " / " + (n \* 100));

System.out.println("Average Percentage: " + average + "%");

System.out.println("Grade: " + grade);

sc.close();

}

}