import java.util.Scanner;

public class StudentGradeCalculator {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

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

int numberOfSubjects = scanner.nextInt();

int[] marks = new int[numberOfSubjects];

int totalMarks = 0;

// Input marks

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

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

marks[i] = scanner.nextInt();

totalMarks += marks[i];

}

double averagePercentage = (double) totalMarks / numberOfSubjects;

// Calculate grade

String grade;

if (averagePercentage >= 90) {

grade = "A+";

} else if (averagePercentage >= 80) {

grade = "A";

} else if (averagePercentage >= 70) {

grade = "B+";

} else if (averagePercentage >= 60) {

grade = "B";

} else if (averagePercentage >= 50) {

grade = "C";

} else if (averagePercentage >= 40) {

grade = "D";

} else {

grade = "F";

}

// Display results

System.out.println("\n----- Result -----");

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

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

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

scanner.close();

}

}