import java.util.Scanner;

public class StudentGradeCalculator {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Input: Number of subjects

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

int numSubjects = scanner.nextInt();

// Array to store marks

int[] marks = new int[numSubjects];

int totalMarks = 0;

// Input: Marks for each subject

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

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

marks[i] = scanner.nextInt();

totalMarks += marks[i];

}

// Calculate Total Marks

System.out.println("Total Marks: " + totalMarks);

// Calculate Average Percentage

double averagePercentage = (double) totalMarks / numSubjects;

System.out.printf("Average Percentage: %.2f%%\n", averagePercentage);

// Grade Calculation

String grade;

if (averagePercentage >= 90) {

grade = "A+";

} else if (averagePercentage >= 80) {

grade = "A";

} else if (averagePercentage >= 70) {

grade = "B";

} else if (averagePercentage >= 60) {

grade = "C";

} else if (averagePercentage >= 50) {

grade = "D";

} else {

grade = "F";

}

// Display Results

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

scanner.close();

}

}