import java.util.Scanner;

public class StudentGrades {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Number of subjects

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

int numSubjects = scanner.nextInt();

// Array to store marks for each subject

int[] marks = new int[numSubjects];

// Input marks for each subject

int totalMarks = 0;

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

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

marks[i] = scanner.nextInt();

totalMarks += marks[i]; // Sum up the total marks

}

// Calculate the average percentage

double averagePercentage = (double) totalMarks / numSubjects;

// Calculate the grade based on average percentage

char grade;

if (averagePercentage >= 95) {

grade = 'A';

} else if (averagePercentage >= 83) {

grade = 'B';

} else if (averagePercentage >= 72) {

grade = 'C';

} else if (averagePercentage >= 61) {

grade = 'D';

} else {

grade = 'F';

}

// Display the results

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

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

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

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

scanner.close();

}

}