import java.util.Scanner;

public class AcademicPerformanceEvaluator {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("How many subjects are you entering grades for? ");

int numberOfSubjects = scanner.nextInt();

System.out.println("Please enter grades (0-100):");

int[] grades = new int[numberOfSubjects];

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

System.out.print("Enter the grade for subject " + (i + 1) + " (maximum 100): ");

grades[i] = scanner.nextInt();

}

int totalPoints = computeTotalPoints(grades);

double averagePercentage = calculateAveragePercentage(totalPoints, numberOfSubjects);

char letterGrade = determineGrade(averagePercentage);

System.out.println("\nSummary:");

System.out.println("Total Points: " + totalPoints);

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

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

scanner.close();

}

private static int computeTotalPoints(int[] grades) {

int sum = 0;

for (int grade : grades) {

sum += grade;

}

return sum;

}

private static double calculateAveragePercentage(int totalPoints, int numberOfSubjects) {

return (double) totalPoints / numberOfSubjects;

}

private static char determineGrade(double averagePercentage) {

if (averagePercentage >= 90) {

return 'A';

} else if (averagePercentage >= 80) {

return 'B';

} else if (averagePercentage >= 70) {

return 'C';

} else if (averagePercentage >= 60) {

return 'D';

} else {

return 'F';

}

}

}