 import java.util.Scanner;

public class calculator {

public static void main(String[] args) {

// Create a Scanner object to read user input

Scanner scanner = new Scanner(System.in);

// Prompt the user to enter the number of subjects

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

int subjectnum = scanner.nextInt();

// Create an array to store the marks obtained in each subject

int[] marks = new int[subjectnum];

// Prompt the user to enter the marks obtained in each subject

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

System.out.println("Enter the marks obtained out of 100 in subject " + (i + 1) + ": ");

marks[i] = scanner.nextInt();

}

// Calculate the total marks

int totalMarks = 0;

for (int mark : marks) {

totalMarks += mark;

}

// Calculate the average percentage

float averagePercentage = (float) totalMarks / subjectnum;

// Assign a grade based on the average percentage

String grade;

if (averagePercentage >= 90) {

grade = "A";

} else if (averagePercentage >= 80) {

grade = "B";

} else if (averagePercentage >= 70) {

grade = "C";

} else if (averagePercentage >= 60) {

grade = "D";

} else {

grade = "F";

}

// Display the results

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

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

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

// Close the Scanner object

scanner.close();

}

}