import java.util.Scanner;

public class GradeCalculator {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Input: Take marks obtained in each subject

System.out.println("Enter marks obtained (out of 100) in each subject:");

int numSubjects = 0;

int totalMarks = 0;

while (true) {

System.out.print("Subject " + (numSubjects + 1) + ": ");

int marks = scanner.nextInt();

if (marks < 0 || marks > 100) {

System.out.println("Marks should be between 0 and 100.");

continue;

}

totalMarks += marks;

numSubjects++;

System.out.print("Do you have more subjects to enter? (yes/no): ");

String moreSubjects = scanner.next();

if (moreSubjects.equalsIgnoreCase("no")) {

break;

}

}

// Calculate Average Percentage

double averagePercentage = (double) totalMarks / numSubjects;

// Grade Calculation

char 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 Results

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

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

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

scanner.close();

}

}