```java
 1 package course.java.pro101.edu;
 2
 3 import java.util.Scanner;
 4
 5 public class NestedLoops {
 6
 7     public static void main(String[] args) {
 8
 9         System.out.println("Welcome to Grades Analyzer");
10         System.out.println("The program calculates the average " +
11                 "score for the students marks per subject");
12
13         Scanner scanner = new Scanner(System.in);
14
15         int sum = 0;
16         int studentsCount = 0;
17         int subjectsCount = 0;
18
19         System.out.println("Please insert students' count");
20         studentsCount = scanner.nextInt();
21
22         System.out.println("Please insert subjects' count");
23         subjectsCount = scanner.nextInt();
24
25         for(int i = 0; i < subjectsCount; i++) {
26             for(int j = 0; j < studentsCount; j++) {
27                 System.out.println("Please insert student's marks ");
28                 sum += scanner.nextInt();
29             }
30         }
31
32
33         // Program will divide by zero if user inserted negative number at the begini
34         int result = sum / studentsCount / subjectsCount;
35         double result_with_fractions = (double) sum / studentsCount / subjectsCount;
36
37         // IMPORTANT: Note the different between the two variables.
38         System.out.println(result);
39         System.out.println(result_with_fractions);
40
41     }
42
43
44 }
45
```