

```
1 package course.java.pro101.edu;
2
3 import java.util.Scanner;
4
5 public class ForLoop2 {
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 score for the students");
11
12        Scanner scanner = new Scanner(System.in);
13
14        int sum = 0;
15        int i = 0;
16
17        for ( ; ; ) {
18            System.out.println("Please insert student's marks or -1 to finish");
19            int mark = scanner.nextInt();
20            if(mark == -1) {
21                break;
22            }
23
24            if (mark < -1) {
25                continue;
26            }
27            sum += mark;
28            i++;
29
30        }
31
32        // Program will divide by zero if user inserted negative number at the begin
33        int result = sum / i;
34        double result_with_fractions = (double) sum / i;
35
36        // IMPORTANT: Note the different between the two variables.
37        System.out.println(result);
38        System.out.println(result_with_fractions);
39
40    }
41
42
43 }
44
```