

```
1 // Jonas Gehrlein 15-127-541 & Jan Dietrich 10-100-436
2
3 // Aufgabe 1-1
4 public class Hallo
5 {
6     public static void main(String[] args)
7     {
8         System.out.println("Hallo Welt!");
9     }
10 }
11
12 //Aufgabe 1-2
13
14 import java.util.Scanner;
15
16 public class Divide
17 {
18     public static void main(String[] args)
19     {
20         float x;
21         float y;
22         float float_solution;
23         int integer_solution;
24         float remainder;
25         Scanner scan = new Scanner(System.in);
26         System.out.print("This program will calculate the expression (a * a)/b where
27         a is your first input and b your second");
28         System.out.print("\nEnter an integer for a: ");
29         x = scan.nextInt();
30         System.out.print("Enter another integer for b: ");
31         y = scan.nextInt();
32         float_solution = x * x / y;
33         remainder = (x * x) % y;
34         integer_solution = (int) float_solution;
35         System.out.println("The solution as float variable is "+ float_solution + "");
36         System.out.println("The solution as integer variable is "+ integer_solution
37         + " with remainder " + remainder + "");
38     }
39 }
```