

```
1 // fo1/2/arithmetic/InArithmetic.java
2 //
3 //
4 // Copyright 2003 Bill Campbell and Ethan Bolker
5
6 /**
7  * Interactive play with integer arithmetic in Java,
8  * using a Terminal for input and output.
9  */
10
11 public class InArithmetic
12 {
13     private static Terminal terminal = new Terminal();
14
15     /**
16      * main prompts for pairs of numbers to add and to divide
17      * until the bored user decides to quit.
18      */
19
20     public static void main(String[] args)
21     {
22         while ( terminal.readYesOrNo( "Try int z = x + y ? " ) ) {
23             tryIntegerAddition( );
24         }
25         while ( terminal.readYesOrNo( "Try int z = x / y ? " ) ) {
26             tryIntegerDivision( );
27         }
28     }
29
30     // Prompt for two ints and add them.
31
32     private static void tryIntegerAddition()
33     {
34         int x = terminal.readInt( "x = " );
35         int y = terminal.readInt( "y = " );
36         terminal.println( "z = " + (x+y) );
37     }
38
39     // Prompt for two ints and divide the first by
40     // the second.
41
42     private static void tryIntegerDivision()
43     {
44         int x = terminal.readInt( "x = " );
45         int y = terminal.readInt( "y = " );
46         terminal.println( "z = " + (x/y) );
47     }
48 }
```