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/**
* Interactive play with integer arithmetic in Java,
* using a Terminal for input and output.
*/

public class IntArithmetic
{
private static Terminal terminal = new Terminal();

/**
* main prompts for pairs of numbers to add and to divide
* until the bored user decides to quit.
*/
public static void main(String[] args)
{
while ( terminal.readYesOrNo( "Try int z = x + y ? ") ) {
tryIntegerAddition( );
}
while ( terminal.readYesOrNo( "Try int z = x / y ? ") ) {
tryIntegerDivision();
}
}

// Prompt for two ints and add them.
private static void tryIntegerAddition()
{
int x = terminal.readInt( "x = ");
int y = terminal.readInt( "y = ");
terminal.println( "z = " + (x+y) );
}

// Prompt for two ints and divide them.
private static void tryIntegerDivision()
{
int x = terminal.readInt( "x = ");
int y = terminal.readInt( "y = ");
terminal.println( "z = " + (x/y) );
}
}