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1 // Example 3.3 joi/examples/BreakAndContinueDemo.java
2 //
3 //
4 // Copyright 2003 Bill Campbell and Ethan Bolker
5
6 public class BreakAndContinueDemo
7 {
8     private static Terminal t = new Terminal();
9
10    public static void main( String[] args )
11    {
12        t.println("invoking loop");
13        BreakAndContinueDemo.loop(); // could say just loop();
14        t.println("returned from loop, leaving main");
15    }
16
17    private static void loop()
18    {
19        t.println("starting infinite loop");
20        while( true ) {
21            String command = t.readWord(
22                "normal, break, continue, return, exit, oops ? > ");
23            if (command.startsWith("n")) {
24                t.println("normal flow of control");
25            }
26            if (command.startsWith("b")) {
27                t.println("break from looping");
28                break;
29            }
30            if (command.startsWith("c")) {
31                t.println("continue looping");
32                continue;
33            }
34            if (command.startsWith("r")) {
35                t.println("return prematurely from loop method");
36                return;
37            }
38            if (command.startsWith("e")) {
39                t.println("exit prematurely from program");
40                System.exit(0);
41            }
42            if (command.startsWith("o")) {
43                t.println("program about to crash ...");
44                Terminal foo = null;
45                foo.println("crash the program");
46            }
47            t.println("last line in loop body");
48        }
49        t.println("first line after loop body");
50        t.println("returning normally from loop method");
51    }
52 }
```