```
1 // The name of the file on your computer is "ForLoop.java"
 2 // This first line helps the computer to indentify what the name is
 3 public class ForLoop {
     // The main method.
 5
      // This is where the computer will start reading.
      public static void main(String[] args)
 6
 7
 8
          /*
 9
           /* For each iteration of i,
10
          /* starting from 1 and going up to 3...
11
12
          /* Initialization: Declare a variable,
13
14
           /* in this case, set i to start at 1
15
          /*
          /* Condition: "So long as" i <= 3:</pre>
16
          /* run the code on the inside of the
17
                                                  /* curly braces { }
18
          /*
19
20
          /* Update: After looping back to the
                                                  || Some Notes:
                                                 | | ~~~~~~~~~~~~~~
          /* top of the for loop when reaching
21
22
          /* the closing }, update the value of
                                                 || - Notice that the update statement
23
          /* the variable, in this case i, with
                                                 || *does not* have a ; at the end.
          /*
24
                                                  \Box
25
          /* the expression found in update.
                                                  || - When the computer reaches the
                                                 || end curly brace, }, it "jumps
26
          /* i++ is shorthand for i = i + 1; and
                                                  || back up" to the beginning of the */
27
          /* i-- is shorthand for i = i - 1;
28
          /*
                                                  || for loop. Only then is the
                                                  || update part of the for loop run. */
          /*
29
30
               Initialization Condition Update ||
31
                                                 || - If the computer reaches the for */
                                                 || loop once again from another for */
|| loop, the initalization is ran */
32
                                           33
                      || again and the variable is reset. */
34
                     11/
                                  11/
                                            \|/
35
                                  V
                     V
                                            V
                                                 ++----*/
36
          for(
                  int i = 1;
                                 i <= 3;
                                            i++
                                                 ) {
37
38
39
40
41
42
                                       No semicolon here!
43
              // Print out a +
              System.out.print("+");
44
45
          }
46
47
          // At this point, the for loop has ended
48
          // Print out a !
49
          System.out.print("!");
50
51 }
52
53
          /*********OUTPUT*******
54 Line 1: | +++!
                                       | <--- Output cursor is on this line
55 Line 2: |
56 Line 3: |
                                       | The output cursor helps us to identidy
57 Line 4: |
                                       | which line we are going to be writing
58 Line 5: |
                                       | output on next. It moves down one line
                                       | after we see a println statement.
59 Line 6: |
60
```

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