```java
1    // Copyright 2013 Bill Campbell, Swami Iyer and Bahar Akbal-Delibas
2
3    package jminusminus;
4
5    /**
6     * The (dummy) AST node for representing the empty statement. Nothing needs to
7     * be done during analysis or code generation. It simply represents empty
8     * statements that are denoted by the ";" in j--.
9     */
10
11   class JEmptyStatement extends JStatement {
12
13       /**
14        * Construct an AST node for an empty statement.
15        *
16        * @param line
17        *            line in which the empty statement occurs in the source file.
18        */
19
20       protected JEmptyStatement(int line) {
21           super(line);
22       }
23
24       /**
25        * @inheritDoc
26        */
27
28       public JAST analyze(Context context) {
29           // Nothing to do.
30           return this;
31       }
32
33       /**
34        * @inheritDoc
35        */
36
37       public void codegen(CLEmitter output) {
38           // Nothing to do.
39       }
40
41       /**
42        * @inheritDoc
43        */
44
45       public void writeToStdOut(PrettyPrinter p) {
46           p.printf("<JEmptyStatement line=\"%d\"/>\n", line());
47       }
48
49   }
50
```