

```
1 import java.io.*;
2 import java_cup.runtime.*;
3
4 /****
5 *
6 * Test program for CSC 330 Assignment 4. The main method constructs an
7 * EJayLexer with a FileReader. It then constructs an EJayParser, sending it
8 * the lexer. Then it calls EJayParser.parse to obtain a parse tree and symbol
9 * table for the input program. Then it constructs an EJayInterpreter and
10 * calls its initInterpreter method. Next, the test program constructs a parse
11 * tree for a parameterless invocation of the program's main function, and
12 * sends that tree to the interpreter's eval method. Finally, the test program
13 * dumps out the interpreter's memory after program execution.
14 *
15 */
16 public class EJayParserTest {
17
18     /**
19     * See the class comment for documentation.
20     */
21     public static void main(String[] args) {
22         TreeNode t;
23         try {
24             EJayParser parser = new EJayParser(
25                 new EJayLexer(new FileReader(args[0])));
26
27             parser.initSymbolTable(500);
28             t = (TreeNodeList) parser.parse().value;
29
30             System.out.println(t);
31             System.out.println(parser.getSymbolTable());
32         }
33         catch (Exception e) {
34             System.out.println("Exception " + e);
35             e.printStackTrace();
36         }
37     }
38
39     /**
40     * Construct the parse tree to invoke the main method.
41     */
42     protected TreeNode buildMainCall() {
43         return new TreeNode2(
44             new
45
46
47
48 }
```