```
1  import java.io.*;
2  import java_cup.runtime.*;
3
4  /****
5   *
6   * Test program for CSC 330 Assignment 4 Pascal example.  See comment for
7   * EJayInterpreterTestNoFuncs for further information.  The reason this acts
8   * like the NoFuncs version of the EJay tester is that a Pascal program has no
9   * distinguished main method, but rather starts by executing the statements
10  * body of the whole program.
11  *
12  */
13 public class PascalInterpreterTest {
14
15     /**
16      * See the class comment for documentation.
17      */
18     public static void main(String[] args) {
19         TreeNode2 tree;
20         SymbolTable symtab;
21         try {
22             PascalParser parser = new PascalParser(
23                 new PascalLexer(new FileReader(args[0])));
24
25             parser.initSymbolTable(500);
26             tree = (TreeNode2) parser.parse().value;
27             System.out.println(tree);
28             System.out.println();
29             System.out.println(symtab = parser.getSymbolTable());
30
31             PascalInterpreter interp =
32                 new PascalInterpreter(symtab.memorySize, 10000);
33             interp.eval(tree.child2, symtab);
34             interp.dumpMemory();
35         }
36         catch (Exception e) {
37             System.out.println("Exception ");
38             e.printStackTrace();
39         }
40     }
41 }
```