/* Test program for CSC 330 Assignment 4. The main method constructs an
 * EJayLexer with a FileReader. It then constructs an EJayParser, sending it
 * the lexer. Then it calls EJayParser.parse to obtain a parse tree and symbol
 * table for the input program. Then it constructs an EJayInterpreter and
 * calls its initInterpreter method. Next, the test program constructs a parse
 * tree for a parameterless invocation of the program's main function, and
 * sends that tree to the interpreter's eval method. Finally, the test program
 * dumps out the interpreter's memory after program execution.
 */

public class EJayParserTest {

    public static void main(String[] args) {
        TreeNode t;
        try {
            EJayParser parser = new EJayParser(
                new EJayLexer(new FileReader(args[0])));
            parser.initSymbolTable(500);
            t = (TreeNodeList) parser.parse().value;
            System.out.println(t);
            System.out.println(parser.getSymbolTable());
        } catch (Exception e) {
            System.out.println("Exception " + e);
            e.printStackTrace();
        }
    }

    /**
     * Construct the parse tree to invoke the main method.
     */
    protected TreeNode buildMainCall() {
        return new TreeNode2{
        };