

```
1 package ag;
2
3 import org.antlr.v4.runtime.ANTLRInputStream;
4 import org.antlr.v4.runtime.CommonTokenStream;
5
6 import java.io.BufferedReader;
7 import java.io.IOException;
8 import java.io.InputStream;
9 import java.io.InputStreamReader;
10
11 public class ExprAGMain {
12     public static void main(String[] args) throws IOException {
13         InputStream is = System.in;
14         BufferedReader br = new BufferedReader(new InputStreamReader(is));
15
16         String expr = br.readLine();
17         int line = 1;
18
19         ExprAGParser parser = new ExprAGParser(null);
20         parser.setBuildParseTree(false);
21
22         while (expr != null) {
23             //      CharStream input = CharStreams.fromStream(expr + "\n");
24             ANTLRInputStream input = new ANTLRInputStream(expr + "\n");
25             ExprAGLexer lexer = new ExprAGLexer(input);
26             lexer.setLine(line);
27             lexer.setCharPositionInLine(0);
28
29             CommonTokenStream tokens = new CommonTokenStream(lexer);
30             parser.setInputStream(tokens);
31             parser.stat();
32
33             expr = br.readLine();
34             line++;
35         }
36     }
37 }
38
```