

```
1  /****
2  *
3  * Companion lexer for ExprList.cup.
4  *
5  */
6
7  import java_cup.runtime.*;
8
9  %%
10 %cup
11 %class ExprListLexer
12
13 %{
14 /**
15  * Return a new Symbol with the given token id, and with the current line and
16  * column numbers.
17  */
18 Symbol newSym(int tokenId) {
19     return new Symbol(tokenId, yyline, yycolumn);
20 }
21
22 /**
23  * Return a new Symbol with the given token id, the current line and column
24  * numbers, and the given token value. The value is used for tokens such as
25  * identifiers and numbers.
26  */
27 Symbol newSym(int tokenId, Object value) {
28     return new Symbol(tokenId, yyline, yycolumn, value);
29 }
30 %}
31
32 %%
33 "+"      {return newSym(sym.PLUS);}
34 "-"      {return newSym(sym.MINUS);}
35 "*"      {return newSym(sym.TIMES);}
36 "/"      {return newSym(sym.DIVIDE);}
37 ";"      {return newSym(sym.SEMI);}
38 [a-z]    {return newSym(sym.VAR, yytext());}
39 [ \n\r]  {}
```