

```

1  /* SI 413 Fall 2013
2    * Lab 4
3    * YOUR NAMES HERE!
4    * Flex file specifying the calculator program scanner
5    */
6  %{
7  #include "calc.tab.hpp"
8  #include <cstdlib> // for atoi
9  %}
10
11 /* This tells flex to quit when it reaches EOF */
12 %option noyywrap
13
14 %%
15
16
17 [0-1]+(b) { yylval.val = strtol(yytext,NULL,2); return NUM; }
18 [0-9]+     { yylval.val = atoi(yytext); return NUM; }
19 [+ -]     { yylval.sym = yytext[0]; return OPA; }
20 [* /]     { yylval.sym = yytext[0]; return OPM; }
21 "#" (.) * { return COM1; }
22 "("       { return LP; }
23 ")"       { return RP; }
24 ";b"      { return STOPB; }
25 ";"       { return STOP; }
26 <<EOF>>   { return 0; }
27 [ \t\n]+ { }
28 .         { errout << "Unrecognized token starting with "
29           }
30 %%

```