

```

% {                                     /* need this for the call to atof() below */
#include <math.h>
% }

DIGIT      [0-9]
ID          [a-z][a-z0-9]*

%%

{DIGIT}+    {
              printf( "An integer: %s (%d)\n", yytext,
                      atoi( yytext ) );
            }

if|then|begin|end|procedure|function
          { printf( "A keyword: %s\n", yytext ); }

{ID}        printf( "An identifier: %s\n", yytext );

"+"|"-"|"*"|"|" "/" printf( "An operator: %s\n", yytext );
%%

```