

```

%{
/*----- Definitions -----*/
#include<stdio.h>
#include<string.h>

int line_number = 1;
int column_number = 1;
int errors_count = 0;
%}

delim          [ \t\n]
ws             {delim}+
digit          [0-9]
number         {digit}+
comment        "/*".*"/"
other          .

%%
%{
/*----- Rules -----*/
%}
{comment}      { column_number+=yyleng; }
"+"           { fprintf(yyout,"%d(%d): %s (PLUS)\n",line_number,column_number,yytext);
               column_number+=yyleng; }
"-"           { fprintf(yyout,"%d(%d): %s (MINUS)\n",line_number,column_number,yytext);
               column_number+=yyleng; }
"\n"          { line_number++; column_number=1; }
{number}       { fprintf(yyout,"%d(%d): %s (NUMBER) \n",line_number,column_number,y
column_number+=yyleng; }
{ws}           { column_number+=yyleng; }
{other}        { fprintf(yyout, "(%d) Lexical error in line
%d and col %d. Input -> \"%s\"\n", ++errors_count, line_number, column_number,
yytext); }

%%
/*----- User subroutines -----*/
int main(int argc, char *argv[]){
    yyin = fopen(argv[1], "r");
    yyout=stdout;
    yylex();
    fclose(yyin);
    return 0;
}

```

```
int yywrap(){  
    return 0;  
}
```