

```

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

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

digit      [0-9]
number      {digit}+(\.{digit})+
delim       [ \t\n]
ws          {delim}+
comment     #.*
other       .

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

%%
/*----- User subroutines -----*/
int main(int argc, char *argv[]){
    if (argc != 2){
        printf("It does not work like that.\n");
        printf("Usage: ./compiler <filename>");
        return -1;
    }
    yyin = fopen(argv[1], "r");
    yyout=stdout;
    yylex();
    fclose(yyin);
    return 0;
}

```

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