%{

#include <stdio.h>

int count = 0;

FILE \*out;

%}

%%

"//".\* { count++; } /\* Single-line comment \*/

"/\*"([^\*]|\\*+[^\*/])\*\\*+"/" { count++; } /\* Multi-line comment \*/

.|\n { fputc(yytext[0], out); } /\* Copy other chars \*/

%%

int main() {

FILE \*in = fopen("input.c", "r");

out = fopen("output.c", "w");

if (!in || !out) { perror("File error"); return 1; }

yyin = in;

yylex();

printf("Number of comment lines: %d\n", count);

fclose(in);

fclose(out);

return 0;

}

