18. COUNT THE NUMBER OF CHARACTERS, LINES AND WORDS

CODE:

%{

int nchar, nword, nline;

%}

%%

\n { nline++; nchar++; }

[^ \t\n]+ { nword++, nchar += yyleng; }

. { nchar++; }

%%

int yywrap(void) {

return 1;

}

int main(int argc, char \*argv[]) {

yyin = fopen(argv[1], "r");

yylex();

printf("Number of characters = %d\n", nchar);

printf("Number of words = %d\n", nword);

printf("Number of lines = %d\n", nline);

fclose(yyin);

}

OUTPUT:

C:\Users\prith>cd desktop

C:\Users\prith\Desktop>cd flex

C:\Users\prith\Desktop\FLEX>flex count\_line.l

C:\Users\prith\Desktop\FLEX>gcc lex.yy.c

C:\Users\prith\Desktop\FLEX>a.exe sample.c

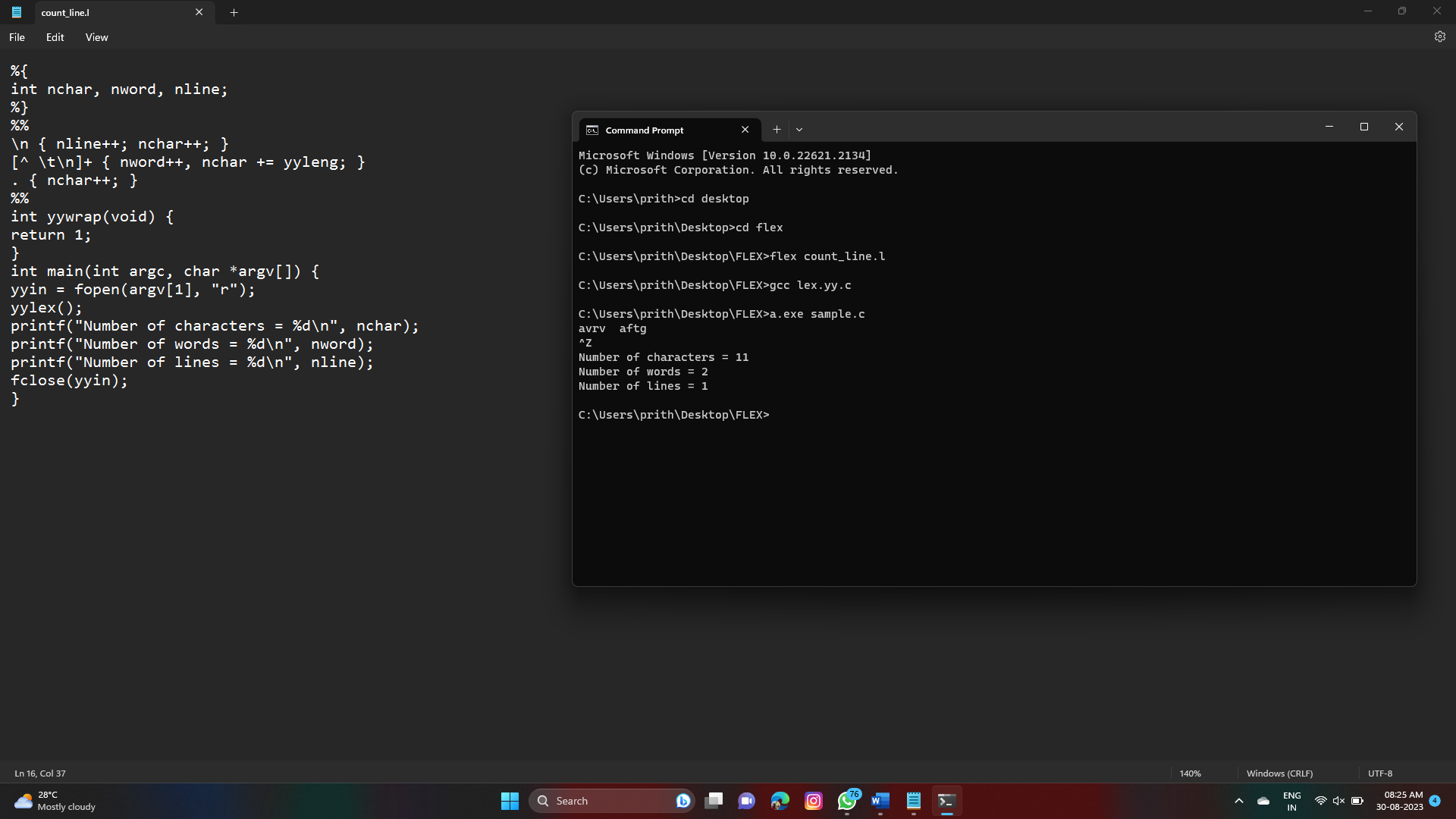
avrv aftg

^Z

Number of characters = 11

Number of words = 2

Number of lines = 1

.