

Experiment -38

Develop a lexical Analyzer to find longest word length using lexical program.

Program:

```
%{

    int icount = 0, factcount = 0;

}

%%

fact     { factcount++; }

i       { icount++; }

(.|\n)   ;

%%

int yywrap() { return 1; }

int main() {

    yylex();

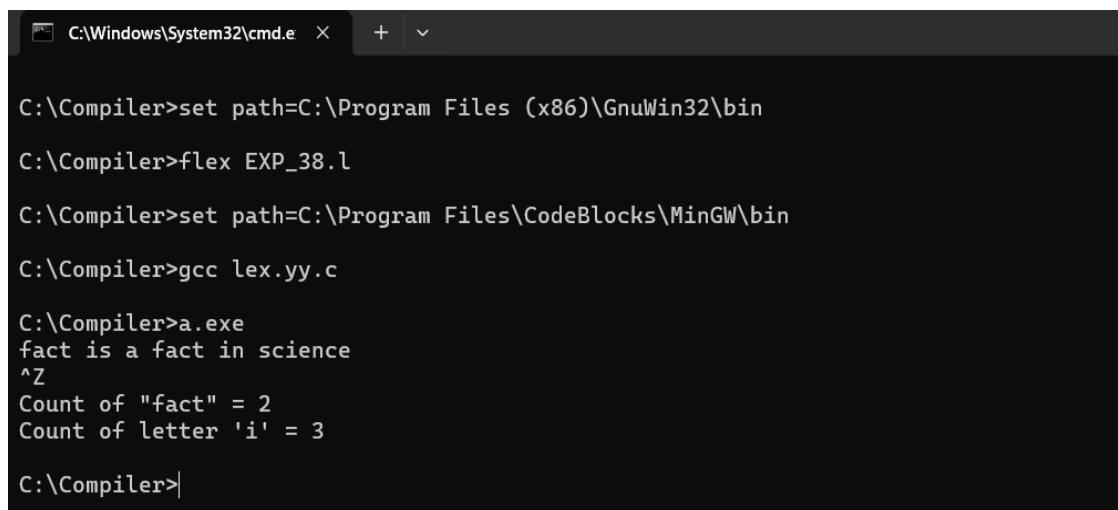
    printf("Count of \"fact\" = %d\n", factcount);

    printf("Count of letter 'i' = %d\n", icount);

    return 0;

}
```

Output:



The screenshot shows a Windows Command Prompt window titled 'C:\Windows\System32\cmd.exe'. The command line history is as follows:

```
C:\Compiler>set path=C:\Program Files (x86)\GnuWin32\bin
C:\Compiler>flex EXP_38.l
C:\Compiler>set path=C:\Program Files\CodeBlocks\MinGW\bin
C:\Compiler>gcc lex.yy.c
C:\Compiler>a.exe
fact is a fact in science
^Z
Count of "fact" = 2
Count of letter 'i' = 3
C:\Compiler>
```