

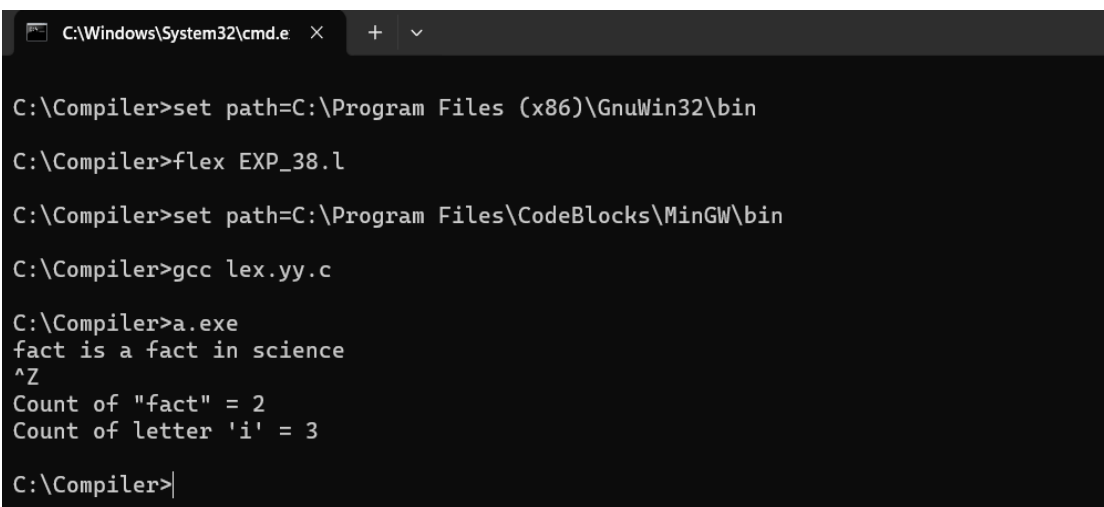
## Experiment -38

**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:**



```
C:\Windows\System32\cmd.e  X  +  v

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>
```