

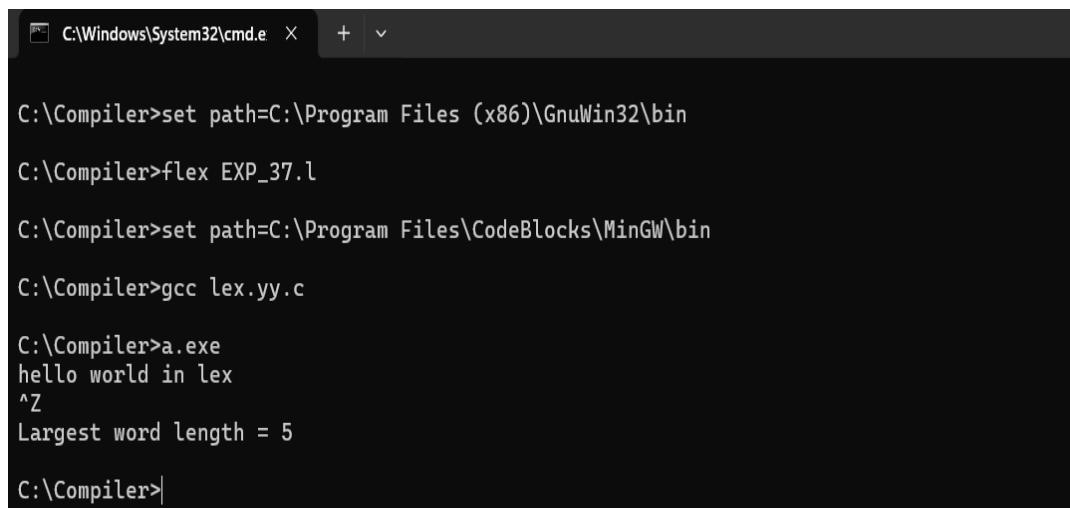
Experiment -37

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

Program:

```
%{  
#include <stdio.h>  
  
int counter = 0;  
%}  
%%  
  
[a-zA-Z]+ {  
    if (yyleng > counter) {  
        counter = yyleng;  
    }  
}  
.|\n ;  
%%  
  
int yywrap(){ return 1; }  
  
int main() {  
    yylex();  
    printf("Largest word length = %d\n", counter);  
    return 0;}
```

Output:



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

```
C:\Compiler>set path=C:\Program Files (x86)\GnuWin32\bin  
C:\Compiler>flex EXP_37.l  
C:\Compiler>set path=C:\Program Files\CodeBlocks\MinGW\bin  
C:\Compiler>gcc lex.yy.c  
C:\Compiler>a.exe  
hello world in lex  
^Z  
Largest word length = 5  
C:\Compiler>
```