

## 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;

%%

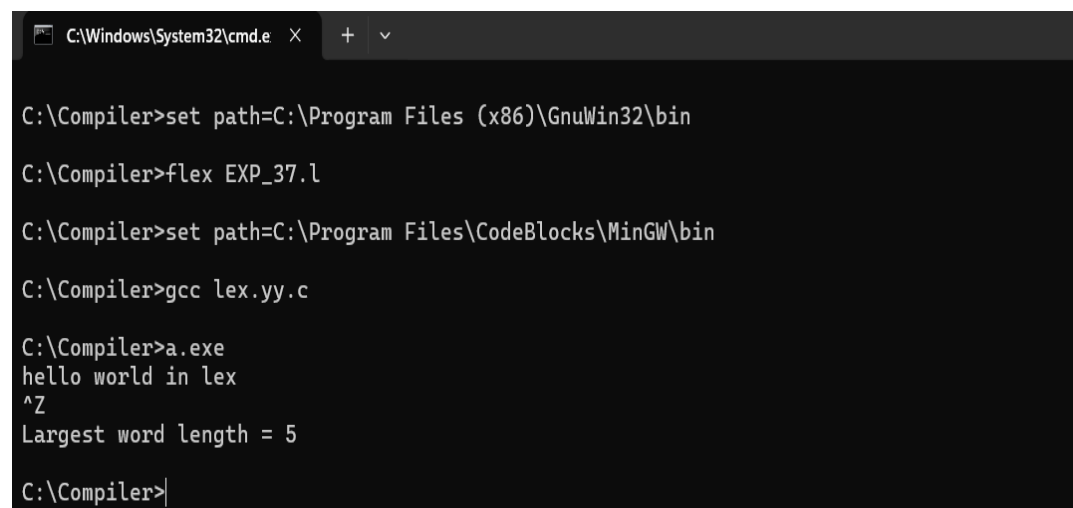
int yywrap(){ return 1; }

int main() {
    yylex();

    printf("Largest word length = %d\n", counter);

    return 0;}
```

**Output:**



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

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>|
```