

Experiment -22

Develop a lexical Analyzer to print constants using lexical program.

Program:

```
%{
#include<stdio.h>

int nc=0;

%}

%%

"/"[a-zA-Z0-9\n\t ]*"/" {nc++;}

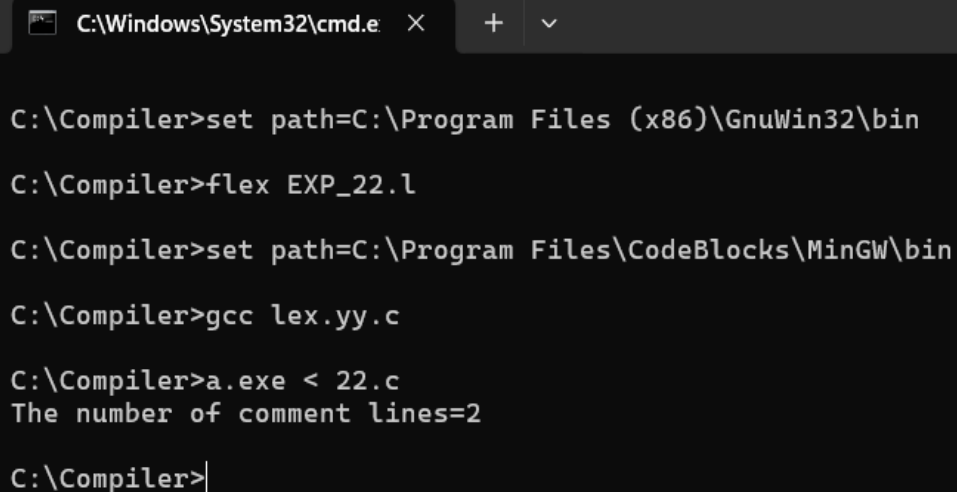
"/"[a-zA-Z0-9\t ]*"\n" {nc++;}

%%

int yywrap( ){}

int main(int argc ,char* argv[])
{
    yyin=fopen(argv[1],"r");
    yyout=fopen("output.c","w");
    yylex( );
    printf("The number of comment lines=%d\n",nc);
}
```

Output:



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

C:\Compiler>set path=C:\Program Files (x86)\GnuWin32\bin
C:\Compiler>flex EXP_22.l
C:\Compiler>set path=C:\Program Files\CodeBlocks\MinGW\bin
C:\Compiler>gcc lex.yy.c
C:\Compiler>a.exe < 22.c
The number of comment lines=2
C:\Compiler>|
```