

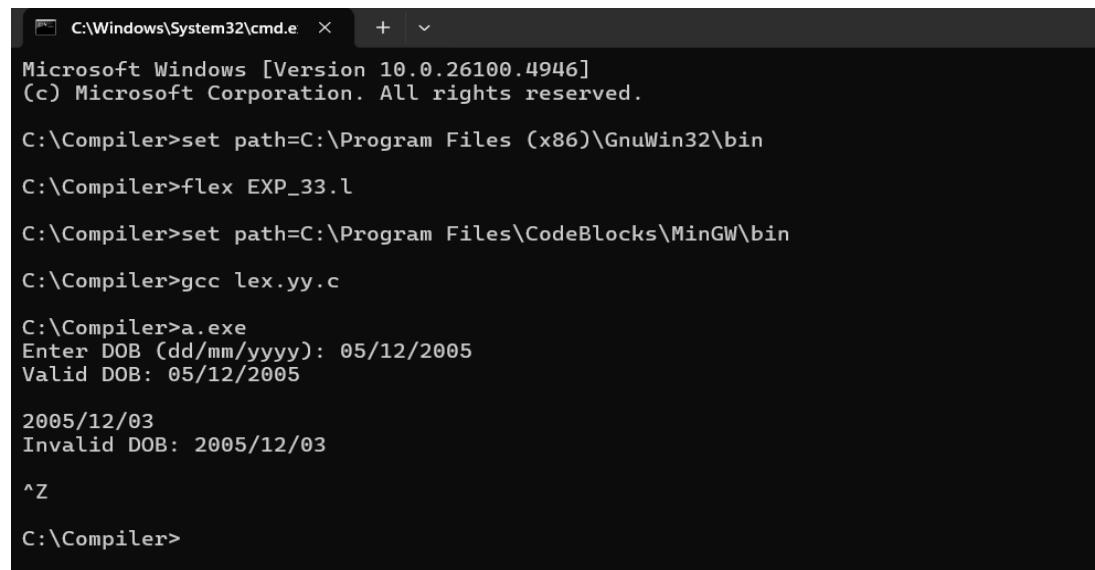
## Experiment -33

**Develop a lexical Analyzer to identify valid DOB using lexical program.**

Program:

```
%{  
#include<stdio.h>  
%}  
  
%%  
[0-9] [0-9] \/[0-1] [0-9] \/[1-2] [0-9] {3}      { printf("Valid DOB: %s\n",  
yytext); }  
.+                                         { printf("Invalid DOB:  
%s\n", yytext); }  
%%  
  
int yywrap(){ return 1; }  
  
int main()  
{  
    printf("Enter DOB (dd/mm/yyyy): ");  
    yylex();  
    return 0;  
}
```

**Output:**



The screenshot shows a Windows command prompt window titled 'C:\Windows\System32\cmd.exe'. The window displays the following text:

```
C:\Windows\System32\cmd.exe > + ▾  
Microsoft Windows [Version 10.0.26100.4946]  
(c) Microsoft Corporation. All rights reserved.  
C:\Compiler>set path=C:\Program Files (x86)\GnuWin32\bin  
C:\Compiler>flex EXP_33.l  
C:\Compiler>set path=C:\Program Files\CodeBlocks\MinGW\bin  
C:\Compiler>gcc lex.yy.c  
C:\Compiler>a.exe  
Enter DOB (dd/mm/yyyy): 05/12/2005  
Valid DOB: 05/12/2005  
2005/12/03  
Invalid DOB: 2005/12/03  
^Z  
C:\Compiler>
```