

Experiment -33

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

Program:

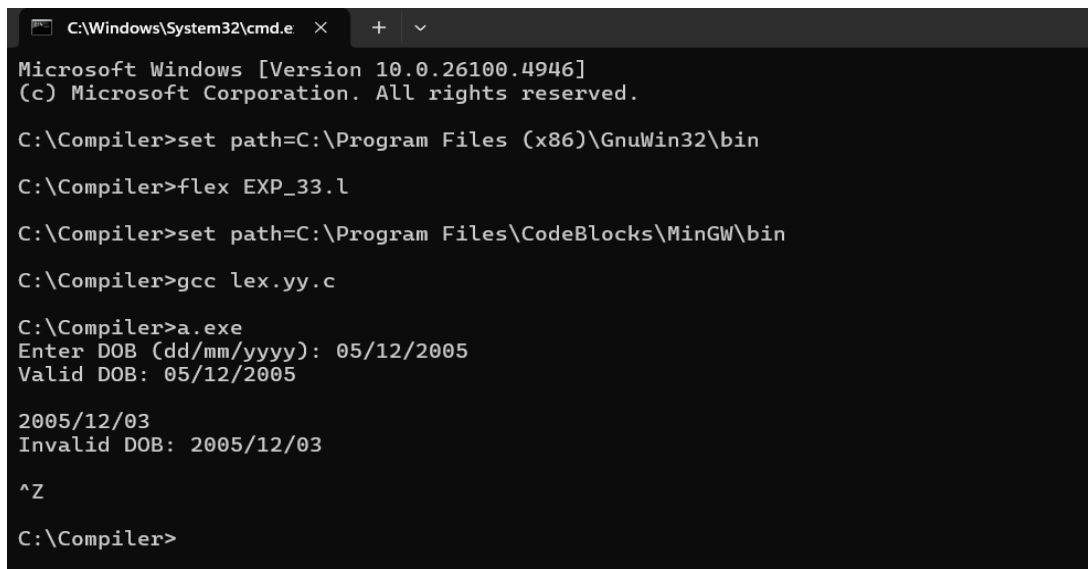
```
%{
#include<stdio.h>
}%

%%
[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:



```
C:\Windows\System32\cmd.e  ×  +  ∨
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>
```