

33. School management wants to validate DOB of all students. Write a LEX program to implement it.

```
%{  
  
#include <stdio.h>  
  
%}  
  
%%  
  
[0-9]{4}-[0-9]{2}-[0-9]{2}    { printf("Valid DOB: %s\n", yytext); }  
  
.; /* Ignore any other characters */  
  
%%  
  
int main() {  
  
    char input[4096]; // Adjust the size based on your needs  
  
    printf("Enter the DOB to validate (YYYY-MM-DD):\n");  
  
    if (fgets(input, sizeof(input), stdin) == NULL) {  
  
        fprintf(stderr, "Error reading input.\n");  
  
        return 1;  
  
    }  
  
    // Remove newline character if present  
  
    for (int i = 0; input[i] != '\0'; i++) {
```

```
    if (input[i] == '\n') {  
        input[i] = '\0';  
        break;  
    }  
}  
  
// Set the input buffer  
yy_scan_string(input);  
  
// Start parsing  
yylex();  
  
return 0;  
}  
  
int yywrap() { return 1; }
```

```
C:\windows\system32\cmd.exe
Microsoft Windows [Version 10.0.22621.3007]
(c) Microsoft Corporation. All rights reserved.

C:\Users\91936>set path=%path%;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\GnuWin32\bin;

C:\Users\91936>d:

D:\>flex 33.l

D:\>gcc lex.yy.c

D:\>a.exe
Enter the DOB to validate (YYYY-MM-DD):
2000-05-12
Valid DOB: 2000-05-12

D:\>|
```