

34. Write a LEX program to check whether the given input is digit or not

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

%%

[0-9] { printf("The given input is a digit: %s\n", yytext); }
.    { printf("The given input is not a digit: %s\n", yytext); }

%%

int main() {
    char input[4096]; // Adjust the size based on your needs
    printf("Enter a character:\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;
        }
    }

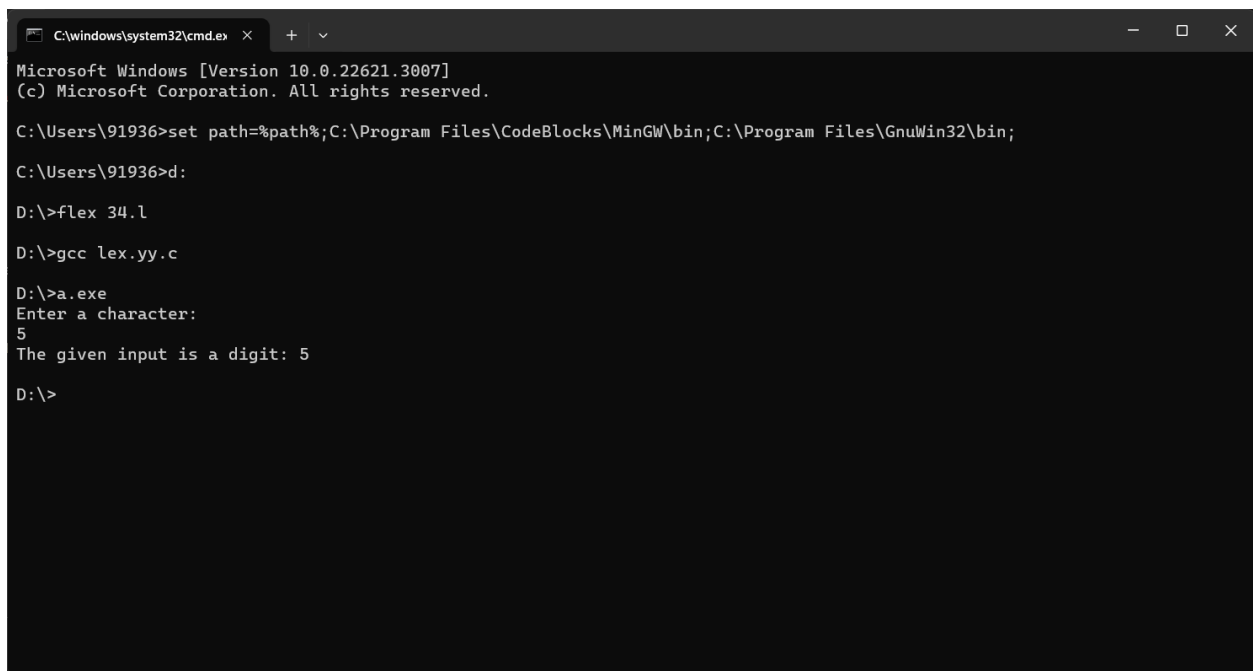
    // Set the input buffer
```

```
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 34.1
D:\>gcc lex.yy.c
D:\>a.exe
Enter a character:
5
The given input is a digit: 5
D:\>
```