

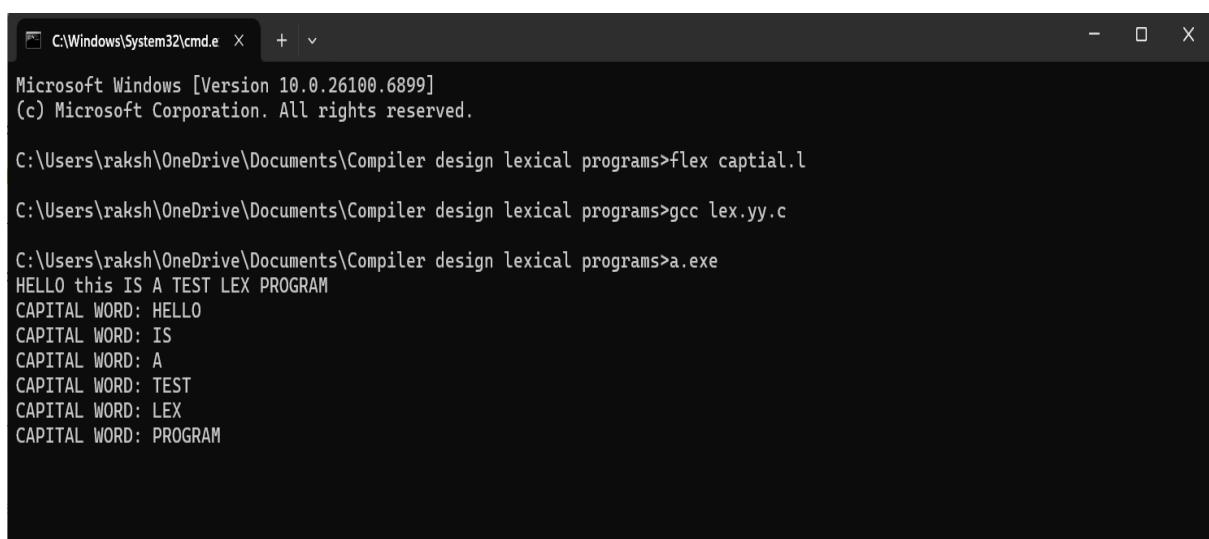
Experiment -28

Develop a lexical Analyzer to identify capital letters using lexical program.

Program:

```
%{  
#include <stdio.h>  
%}  
%%  
[A-Z]+ { printf("CAPITAL WORD: %s\n", yytext); }  
[a-zA-Z]+ /* Ignore non-capital words */  
[\t\n]+ /* Skip whitespace */  
. /* Ignore other characters */  
%%  
int main() {  
    yylex();  
    return 0;  
}  
int yywrap() {  
    return 1;  
}
```

Output:



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

```
Microsoft Windows [Version 10.0.26100.6899]
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C:\Users\raksh\OneDrive\Documents\Compiler design lexical programs>flex captial.l
C:\Users\raksh\OneDrive\Documents\Compiler design lexical programs>gcc lex.yy.c
C:\Users\raksh\OneDrive\Documents\Compiler design lexical programs>a.exe
HELLO this IS A TEST LEX PROGRAM
CAPITAL WORD: HELLO
CAPITAL WORD: IS
CAPITAL WORD: A
CAPITAL WORD: TEST
CAPITAL WORD: LEX
CAPITAL WORD: PROGRAM
```