

## Experiment -28

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

Program:

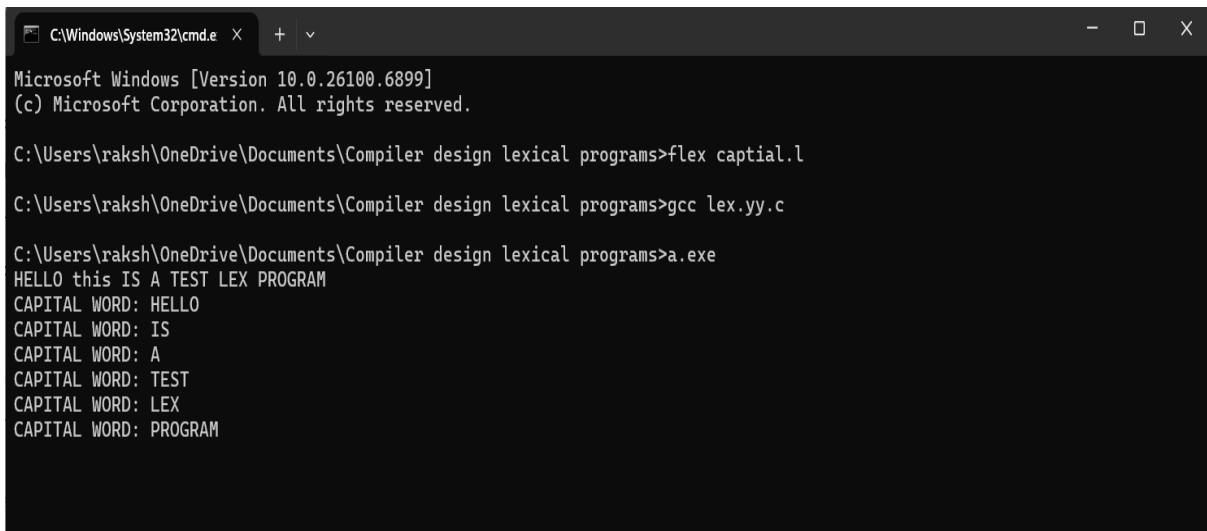
```
%{
#include <stdio.h>
%}
%%

[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:**



```
C:\Windows\System32\cmd.e  X  +  v
Microsoft Windows [Version 10.0.26100.6899]
(c) Microsoft Corporation. All rights reserved.

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
```