Experiment -39

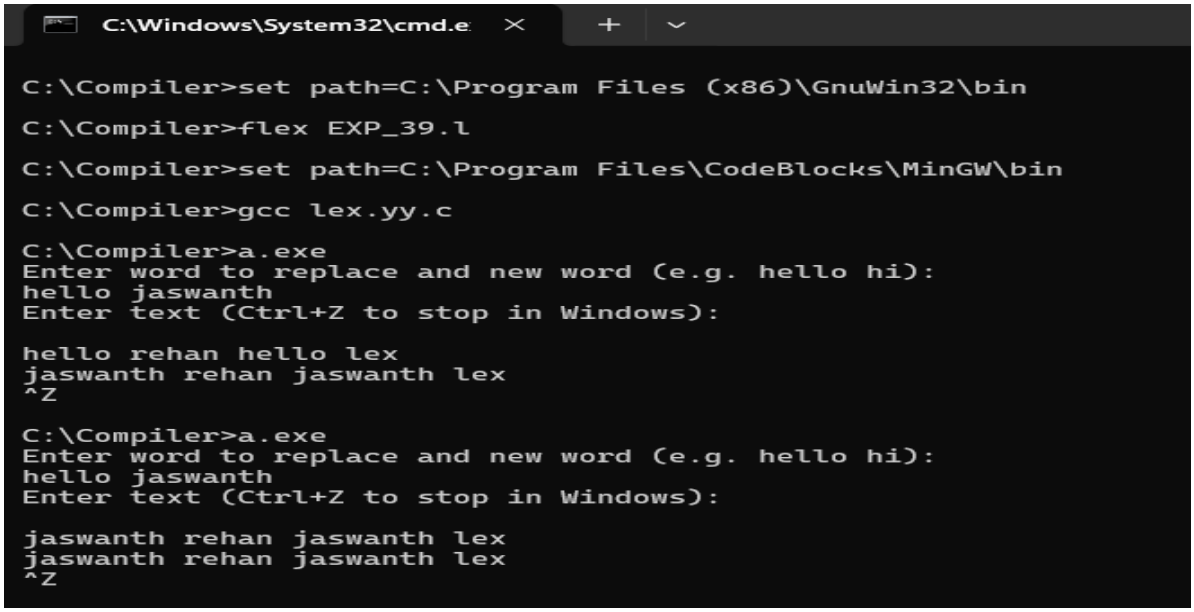
Develop a lexical Analyzer to replace a word with answer using lexical program.

Program:

```
%{
#include <stdio.h>
#include <string.h>
char old[50], new[50];
%}
%%
[a-zA-Z]+ {
   if(strcmp(yytext, old)==0)
      printf("%s", new);
   else
      printf("%s", yytext);
}
.|\n   { ECHO; }
%%
int yywrap(){ return 1; }
int main() {
   printf("Enter word to replace and new word (e.g. hello hi):\n");
   scanf("%s %s", old, new);

   printf("Enter text (Ctrl+Z to stop in Windows):\n");
   yylex();
   return 0;
```

Output:


C:\Windows\System32\cmd.e
C:\Compiler>set path=C:\Program Files (x86)\GnuWin32\bin
C:\Compiler>flex EXP_39.l
C:\Compiler>set path=C:\Program Files\CodeBlocks\MinGW\bin
C:\Compiler>gcc lex.yy.c
C:\Compiler>a.exe
Enter word to replace and new word (e.g. hello hi):
hello jaswanth
Enter text (Ctrl+Z to stop in Windows):
hello rehan hello lex
jaswanth rehan jaswanth lex
^Z
C:\Compiler>a.exe
Enter word to replace and new word (e.g. hello hi):
hello jaswanth
Enter text (Ctrl+Z to stop in Windows):
jaswanth rehan jaswanth lex
jaswanth rehan jaswanth lex
^Z