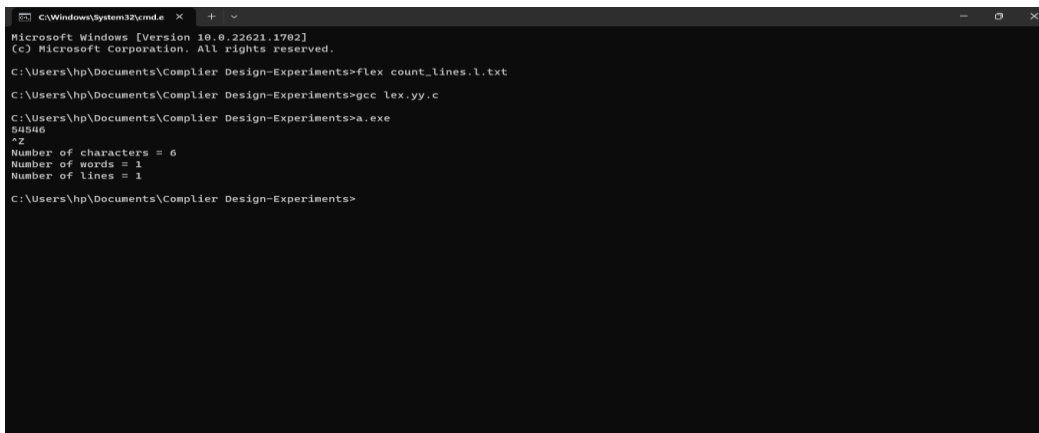


21:COUNT LINES LEX PROGRAM:

```
%{
int nchar, nword, nline;
}%
%%
\n { nline++; nchar++; }
[^ \t\n]+ { nword++, nchar += yyleng; }
. { nchar++; }
%%
int yywrap(void) {
return 1;
}
int main(int argc, char *argv[]) {
yyin = fopen(argv[1], "r");
yylex();
printf("Number of characters = %d\n", nchar);
printf("Number of words = %d\n", nword);
printf("Number of lines = %d\n", nline);
fclose(yyin);
}
```

OUTPUT:



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22621.1782]
(c) Microsoft Corporation. All rights reserved.

C:\Users\hp\Documents\Compiler Design-Experiments>flex count_lines.l.txt
C:\Users\hp\Documents\Compiler Design-Experiments>gcc lex.yy.c
C:\Users\hp\Documents\Compiler Design-Experiments>a.exe
54546
^Z
Number of characters = 6
Number of words = 1
Number of lines = 1
C:\Users\hp\Documents\Compiler Design-Experiments>
```