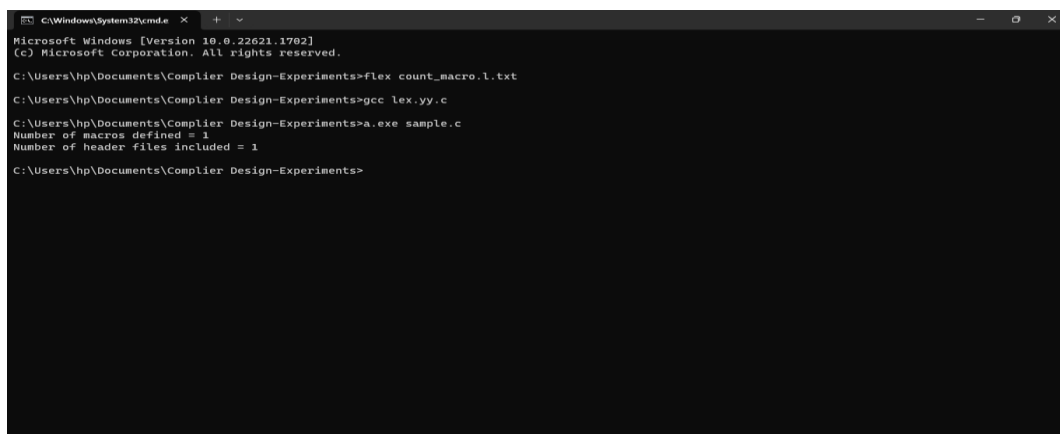


23:COUNT MACROS LEX PROGRAM:

```
%{
int nmacro, nheader;
}%
%%
^#define { nmacro++; }
^#include { nheader++; }
.|\\n { }
%%
int yywrap(void) {
return 1;
}
int main(int argc, char *argv[]) {
yyin = fopen(argv[1], "r");
yylex();
printf("Number of macros defined = %d\\n", nmacro);
printf("Number of header files included = %d\\n", nheader);
fclose(yyin);
}
```

OUTPUT:



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22621.1702]
(c) Microsoft Corporation. All rights reserved.

C:\Users\hp\Documents\Compiler Design-Experiments>flex count_macro.1.txt

C:\Users\hp\Documents\Compiler Design-Experiments>gcc lex.yy.c

C:\Users\hp\Documents\Compiler Design-Experiments>a.exe sample.c
Number of macros defined = 1
Number of header files included = 1

C:\Users\hp\Documents\Compiler Design-Experiments>
```