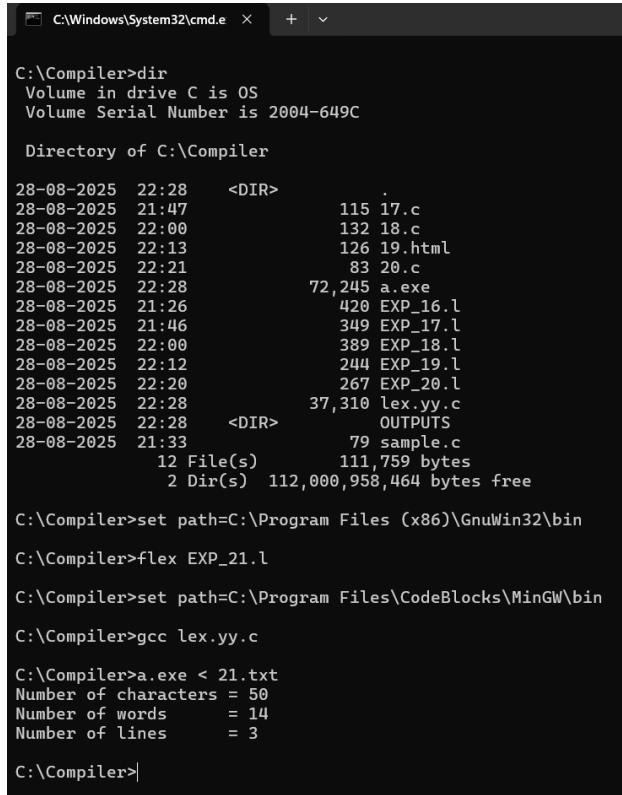


## Exp-1 Ignore spaces

```
% {  
#include <stdio.h>  
int nchar = 0, nword = 0, nline = 0;  
%}  
  
%%  
\n          { nline++; }  
[ \t]          { /* ignore spaces/tabs */ }  
[a-zA-Z0-9]+    { nword++; nchar += yylen; }  
.             { nchar++; }  
%%  
  
int yywrap() { return 1; }  
  
int main() {  
    yylex();  
    printf("Number of characters = %d\n", nchar);  
    printf("Number of words      = %d\n", nword);  
    printf("Number of lines       = %d\n", nline);  
    return 0;  
}
```

## SCREENSHOT



The screenshot shows a Windows Command Prompt window titled 'C:\Windows\System32\cmd.e'. The command 'dir' is run, displaying a directory listing for 'C:\Compiler'. The listing includes files like 17.c, 18.c, 19.html, 20.c, a.exe, EXP\_16.l, EXP\_17.l, EXP\_18.l, EXP\_19.l, EXP\_20.l, lex.yy.c, and sample.c. It also shows the total size of 111,759 bytes and free space of 112,000,958,464 bytes. Subsequent commands set the path to 'C:\Program Files (x86)\GnuWin32\bin' and run 'flex EXP\_21.l'. The final command 'gcc lex.yy.c' is run, followed by 'a.exe < 21.txt', which outputs the character, word, and line counts: 50 characters, 14 words, and 3 lines.

```
C:\Compiler>dir  
Volume in drive C is OS  
Volume Serial Number is 2004-649C  
  
Directory of C:\Compiler  
28-08-2025 22:28 <DIR> .  
28-08-2025 21:47 115 17.c  
28-08-2025 22:00 132 18.c  
28-08-2025 22:13 126 19.html  
28-08-2025 22:21 83 20.c  
28-08-2025 22:28 72,245 a.exe  
28-08-2025 21:26 420 EXP_16.l  
28-08-2025 21:46 349 EXP_17.l  
28-08-2025 22:00 389 EXP_18.l  
28-08-2025 22:12 244 EXP_19.l  
28-08-2025 22:20 267 EXP_20.l  
28-08-2025 22:28 37,310 lex.yy.c  
28-08-2025 22:28 <DIR> OUTPUTS  
28-08-2025 21:33 79 sample.c  
12 File(s) 111,759 bytes  
2 Dir(s) 112,000,958,464 bytes free  
  
C:\Compiler>set path=C:\Program Files (x86)\GnuWin32\bin  
C:\Compiler>flex EXP_21.l  
C:\Compiler>set path=C:\Program Files\CodeBlocks\MinGW\bin  
C:\Compiler>gcc lex.yy.c  
C:\Compiler>a.exe < 21.txt  
Number of characters = 50  
Number of words     = 14  
Number of lines     = 3  
  
C:\Compiler>
```