

## Exp-1 Ignore spaces

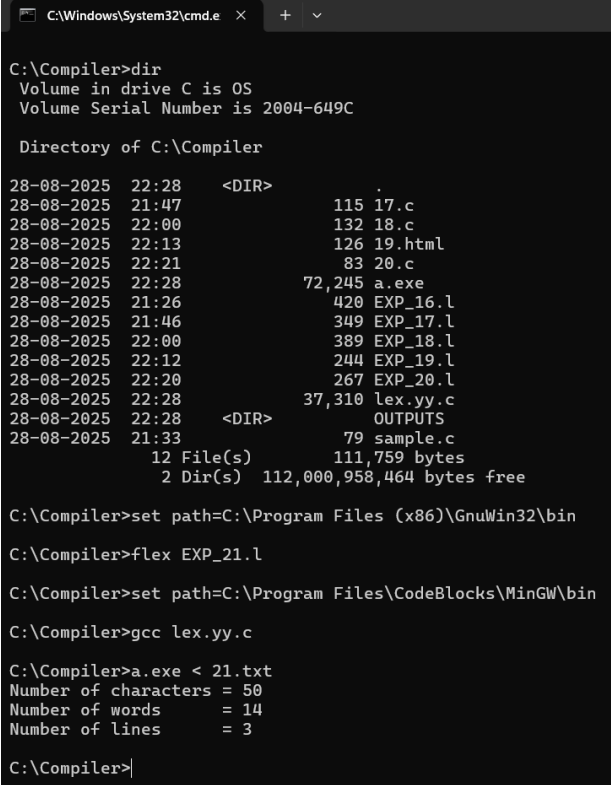
```
%{
#include <stdio.h>
int nchar = 0, nword = 0, nline = 0;
}%

%%
\n          { nline++; }
[ \t]       { /* ignore spaces/tabs */ }
[a-zA-Z0-9]+ { nword++; nchar += yyleng; }
.           { 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 with the title bar "C:\Windows\System32\cmd.exe". The command prompt is in the directory "C:\Compiler". The user has entered the command "dir", which displays a directory listing for "C:\Compiler". The listing shows files and directories with their dates, times, sizes, and names. The files include "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", "OUTPUTS", and "sample.c". The user then enters the command "set path=C:\Program Files (x86)\GnuWin32\bin", followed by "flex EXP\_21.l", "set path=C:\Program Files\CodeBlocks\MinGW\bin", and "gcc lex.yy.c". Finally, the user runs "a.exe < 21.txt", which outputs the number of characters, words, and lines in the file "21.txt".

```
C:\Windows\System32\cmd.exe
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>
```