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	Practical No.2
*	Title: Count the number of comments had not
	Title: Count the number of comments, keywords, identifiers, words, line, and spaces from input file:
	file.
*	Objectives: Students will learn and implement
	-> lon as a scanner
	- Count the number of comments, keywords,
	identifiers, words, lines and spaces from
	Objectives: Students will learn and implement - lan as a scanner - Count the number of comments, keywords, identifiers, words; lines and spaces from input file.
*	Rossailation: Rossail and the the
7	Description: Read cash sharacter from the tent file:
	I) Is it a capital letter in English? [A-Z]: Incremente capital letter counts by!
	ii) Is it a small letter in English? [a-z]: Increment small letter count by!
	Increment small letter count by !
	iii) To it [0-9]? Increment digit count by 1.
	i) All otters has actes (like 1) 60° (k)
	iv) All other sharacters (like '!', @', b') are sounted as special sharacters.
	V) How to count the number of lines? he supply simply counters of \n' < rewline > character.
	simply counters of 'n' < rewline > character.
	vi) lo count the number of words, white spaces
	and tab characters (of lourse, newline
	vi) To count the number of words, white spaces and tab characters (of course, rewline characters too.)

```
Code:
%{
#include <stdio.h>
#include <ctype.h>
int num_lines = 0;
 int num_spaces = 0;
 int num_tabs = 0;
int num_words = 0;
int num_chars = 0;
char *input_string = "Geeks for Geeks\ngfg gfg\n";
%}
%%
 \n
                     { num_lines++; }
 [ \t]+
                         num_spaces += yyleng;
                         if (yytext[0] == '\t') num_tabs++;
                     }
 [A-Za-z]+
                     { num_words++; }
 [0-9]+
                     { num_chars += yyleng; }
                     { num_chars++; }
%%
 int main() {
    printf("Input String:\n%s\n", input_string);
    yy_scan_string(input_string);
    yylex();
    printf("Number of lines: %d\n", num_lines);
    printf("Number of spaces: %d\n", num_spaces);
    printf("Number of tabs: %d\n", num_tabs);
    printf("Number of words: %d\n", num_words);
    printf("Number of characters: %d\n", num_chars);
    return 0;
 }
```



