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Lab Cycle 1 - Experiment 3

Write a lex program to display the number of lines, words and characters in an input text.

Code:

```
%{
#include<stdio.h>
int lc=0, sc=0, tc=0, ch=0; /*Global variables*/
%}

/*Rule Section*/
%%
\n lc++; //line counter
([ ])+ sc++; //space counter
\t tc++; //tab counter
. ch++;  //characters counter
done {printf("\nNo. of lines=%d", lc);
   printf("\nNo. of spaces=%d", sc);
   printf("\nNo. of tabs=%d", tc);
   printf("\nNo. of other characters=%d\n", ch);
   return 0;}
%%

int main()
{
// The function that starts the analysis
yylex();
}
```

Output:

```
gokz1119@gokz-Lenovo:/media/gokz1119/New Volume/S7/CD Lab/Line_Count$ lex line_count.lex
gokz1119@gokz-Lenovo:/media/gokz1119/New Volume/S7/CD Lab/Line_Count$ cc lex.yy.c -lfl
gokz1119@gokz-Lenovo:/media/gokz1119/New Volume/S7/CD Lab/Line_Count$ ./a.out
Hello world
This is a test
done

No. of lines=2
No. of spaces=4
No. of tabs=0
No. of other characters=21
gokz1119@gokz-Lenovo:/media/gokz1119/New Volume/S7/CD Lab/Line_Count$ _
```