Exp No :   **Roll.No:** 210701295

Date :

COUNT THE NUMBER OF WORDS USING LEX

AIM:

       To count the number of words using lex.

ALGORITHM:

       Step 1: In the headers section declare the variables that is used in the program including header files if necessary.

       Step 2: In the definitions section assign symbols to the function computations we use along with REGEX expressions.

       Step 3: In the rules section assign increment the count of words using a variable declared.

       Step 4: Define the main () and yywrap() function.

PROGRAM:

```
%{
#include<stdio.h>
#include<string.h>
int i=0;
%}
%%
([a-zA-Z0-9])* {i++;}
"\n" {printf("%d\n",i); i=0;}
%%
int yywrap(void){}
int main(){
   yylex();
   return 0;
}
```

OUTPUT:

```
This message is shown once a day. To disable it please create the
/home/ukesh/.hushlogin file.
UKESHWARAN295 :~$ lex ss1.l
UKESHWARAN295 :~$ cc lex.yy.c
UKESHWARAN295 :~$ ./a.out
ukeswaran
1
210701295
1
hello everyone
 2
```

RESULT: