***Example:*** Program for counting number of vowels and consonant

%{

#include <stdio.h>

int vowels = 0;

int consonants = 0;

%}

%%

[aeiouAEIOU] vowels++;

[a-zA-Z] consonants++;

[\n] ;

. ;

%%

int main()

{

printf ("This Lex program counts the number of vowels and ");

printf ("consonants in given text.");

printf ("\nEnter the text and terminate it with CTRL-d.\n");

yylex();

printf ("Vowels = %d, consonants = %d.\n", vowels, consonants);

return 0;

}

int yywrap()

{

return 1;

}

//save above code with filename and .l extension. Example alphalex.l

***// Commands to run the code***

#lex alphalex.l

#cc lex.yy.c

#./a.out

This Lex program counts the number of vowels and consonants in given text.

Enter the text and terminate it with CTRL-d.

Iceream

Vowels =4, consonants =3.