Lex words.l cc lex.yy.c - Ifl ./a.ot

```
lex abc.l
cc lex.yy.c -lfl
./a.out
```

LEX program to count the number of vowels and consonants in a given string

Lex vowel.l cc lex.yy.c - Ifl ./a.out

```
% int vow_count=0;
  int const_count =0;
% 
% 
[aeiouAEIOU] {vow_count++;}
[a-zA-Z] {const_count++;}
% 
int yywrap() {}
int main()
{
    printf("Enter the string of vowels and consonants:");
    yylex();
    printf("Number of vowels are: %d\n", vow_count);
    printf("Number of consonants are: %d\n", const_count);
    return 0
```

Lex program to count the number of lines, spaces and tabs file_name.l

Lex program to check whether given number is armstrong number or not

Cd Documents Lex arms.l Cc lex.yy.c -lfl -lm ./a.out

```
Lex program to check whether given
#include <math.h>
#include <string.h>
   void check(char*);
       [0 - 9]
   + check(yytext);
int main()
   extern FILE* yyin;
   yyin = fopen("num", "r");
   yylex();
    return 0;
roid check(char* a)
   int len = strlen(a), i, num = 0;
   int x = 0, y = 0, temp = num;
```

```
y = pow((num % 10), len);
x = x + y;
num = num / 10;
}

if (x == temp)
    printf("%d is armstrong number \n", temp);
else
    printf("%d is not armstrong number\n", temp);
}
```

Lex Program to Identify and Count Positive and Negative Numbers Lex negpos.l Gcc lex.yy.c ./a.out

Lex program to Count the Positive numbers, Negative numbers and Fractions Cd Documents
Lex prog01.I
Cc lex.yy.c - IfI

./a.out

```
-{DIGIT}*\.{DIGIT}+ negativefractions++;
.;
%%

// driver code
int main()
{
    yylex();
    printf("\nNo. of positive numbers: %d", postiveno);
    printf("\nNo. of Negative numbers: %d", negtiveno);
    printf("\nNo. of Positive numbers in fractions: %d",
positivefractions);
    printf("\nNo. of Negative numbers in fractions: %d\n",
negativefractions);
    return 0;
}
```