Exp. No. 27
Write a LEX program to count the number of vowels and Consonants in the given sentence.

Program: (vowels.l)

```
%{
    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;
}
```

INPUT:

"Vowel sounds allow the air to flow freely, causing the chin to drop noticeably, whilst consonant sounds are produced by restricting the air flow".

OUTPUT:

```
Microsoft Windows [Version 10.0.22621.2715]
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C:\Users\Deepak>d:

D:\>cd Slots

D:\Slots>cd Compiler Design

D:\Slots\Compiler Design>flex Ex12vowCons.l

D:\Slots\Compiler Design>gcc lex.yy.c

D:\Slots\Compiler Design>a.exe Ex12vowCons.c
Enter the string of vowels and consonants:"Vowel sounds allow the air to flow freely, causing the chin to drop noticeably, whilst consonant sounds are produced by restricting the air flow"
.
^Z        '     '         ".
Number of vowels are:  42
Number of consonants are:  77

D:\Slots\Compiler Design>
```