

**Compiler Design Lab**

**SUBMITTED BY: SUBMITTED TO:**

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Course- B.Tech. (CSE)

Batch: 4 (AI/ML) (Non- Hons)

1. **Write a Lex program to count numbers of consonants and Vowels**

Code-

%{

#include <stdio.h>

// Variables to count vowels and consonants

int v = 0, c = 0;

%}

%%

// Match vowels (both uppercase and lowercase) and increment the vowel count

[aeiouAEIOU] v++;

// Match any alphabetic character and increment the consonant count

[a-zA-Z] c++;

%%

int main()

{

// Prompt the user for input

printf("ENTER INPUT : ");

// Start lexical analysis using Flex's yylex() function

yylex();

// Display the counts of vowels and consonants

printf("VOWELS=%d\nCONSONANTS=%d\n", v, c);

return 0;

}

// Define yywrap function to indicate end of input

int yywrap() {

return 1;

}

Output-



