

**Compiler Design Lab**

**SUBMITTED BY: SUBMITTED TO:**

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Course- B.Tech. (CSE)

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

1. **Write a C program to count number of consonants and Vowels in a given string**

Code-

#include <stdio.h>

int main(){

char str[100];

printf("Enter string::");

scanf("%[^\n]%\*c", str);

printf("\nThe string entered:: %s", str);

int vowel=0;

int consonant=0;

for(int i=0; str[i]!='\0'; i++){

if(str[i]=='a' || str[i]=='e' || str[i]=='o' || str[i]=='u' || str[i]=='i'){

vowel++;

}

else if(str[i]=='A' || str[i]=='E' || str[i]=='I' || str[i]=='O' || str[i]=='U'){

vowel++;

}

else if('a'<=str[i] && str[i]<='z'){

consonant++;

}

else if('A'<=str[i] && str[i]<='Z'){

consonant++;

}

}

printf("\nNumber of vowel :: %d", vowel);

printf("\nNumber of consonant :: %d", consonant);

return 0;

}

Output-

