

In []:

SURIYA S
225229140
LAB-4

In [13]:

```
def count_string(string,search):  
    count=0  
    for i in range(len(string)):  
        if(string[i]==search):  
            count=count+ 1  
    return count  
string=input("enter a string : ")  
search=input("enter c letter to find : ")  
count_string(string,search)
```

enter a string : hello world
enter c letter to find : o

Out[13]: 2

In [5]:

```
def cct(str):  
    vowels = 0  
    consonant = 0  
    space = 0  
    digit = 0  
    for i in range(0, len(str)):  
        ch = str[i]  
        if ( (ch >= 'a' and ch <= 'z') or (ch >= 'A' and ch <= 'Z') ):  
            ch = ch.lower()  
            if (ch == 'a' or ch == 'e' or ch == 'i' or ch == 'o' or ch == 'u'):  
                vowels += 1  
            else:  
                consonant += 1  
        elif (ch >= '0' and ch <= '9'):  
            digit += 1  
        else:  
            space += 1  
    print("Vowels:", vowels)  
    print("Consonant:", consonant)  
    print("Digit:", digit)  
    print("Space:", space)  
s=input("enter a string : ")  
cct(s)
```

enter a string : Bishop Heber College 17
Vowels: 7
Consonant: 11
Digit: 2
Space: 3

```
In [12]: def remove_punctuations(s):
    punc="!\"#$%&'()*+,-./:;<=>?@[\\]^`{|}~"
    np=""
    for i in s:
        if i not in punc:
            np= np+i
    return np
s=input("enter a string")
remove_punctuations(s)
```

enter a string"#bhc trending @ds \$placements::>."

Out[12]: "'bhc trending ds placements'"

```
In [*]: while True:
    sentence = input('Enter a Sentence: ').lower()
    words = sentence.split()
    for i, word in enumerate(words):
        if word[0] in 'aeiou':
            words[i] = words[i]+ "way"
        else:
            has_vowel = False

            for j, letter in enumerate(word):
                if letter in 'aeiou':
                    words[i] = word[:j] + word[j:] + "ay"
                    has_vowel = True
                    break
            if(has_vowel == False):
                words[i] = words[i]+ "way"
    pig_latin = ' '.join(words)
    print("Pig Latin: ",pig_latin)
```

Enter a Sentence: pig
Pig Latin: igpay
Enter a Sentence: banana
Pig Latin: ananabay
Enter a Sentence: trash
Pig Latin: ashtray
Enter a Sentence: apple
Pig Latin: appleway
Enter a Sentence: orange
Pig Latin: orangeway

In []:

In []: