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Labsheet 4

```
In [3]: def cl(s,c):  
        count=0  
        for i in range(len(s)):  
            if(s[i].lower()==c.lower()):  
                count+=1  
        return count  
s=input("enter a string : ")  
c=input("enter a character to find : ")  
cl(s,c)
```

enter a string : Hello wOrLd  
enter a character to find : o

Out[3]: 2

```
In [4]: 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 [1]: def remove_punctuation(s):
punc = '!"#$%&'()*+,-./:;<=>?@[\\]^`{|}~' ' '
np=""
for i in s:
    if i not in punc:
        np= np+i
return np
s=input("enter a string")
remove_punctuation(s)
```

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

Out[1]: '"bhc trending cs 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

Enter a Sentence:

In [ ]: