In [1]:
```
#Labsheet4
#prgm1
#24/08/2022

def count_letter(s="",sr=""):

    s=input("Sentence : ")

    sr=input("Search a Letter : ")

    u=0

    l=0

    n=len(s)

    for c in range(n):

        if s[c]>='a' and s[c]<='z':

            if s[c]==sr:

               u+=1

        if s[c]>='A' and s[c]<='Z':

            usr=sr.upper()

            if s[c]==usr:

                l+=1

    cs=u+l

    print("Case Sensitive : ",u)

    print("Non-Case Sensitive : ",cs)


#main:

count_letter()
```

```
Sentence : hello world
Search a Letter : o
Case Sensitive :  2
Non-Case Sensitive :  2
```

In [2]:
```
def count_letter(s="",sr=""):
    s=input("Sentence : ")
    sr=input("Search a Letter : ")
    u=0
    l=0
    n=len(s)
    for c in range(n):
        if s[c]>='a' and s[c]<='z':
            if s[c]==sr:
                u+=1
        if s[c]>='A' and s[c]<='Z':
            usr=sr.upper()
            if s[c]==usr:
                l+=1
    cs=u+l
    print("Case Sensitive : ",u)
    print("Non-Case Sensitive : ",cs)

#main:
count_letter()
```

```
Sentence : HeLlo wOrld
Search a Letter : o
Case Sensitive :  1
Non-Case Sensitive :  2
```

In [3]:
```
def count_letter(s="",sr=""):
    s=input("Sentence : ")
    sr=input("Search a Letter : ")
    u=0
    l=0
    n=len(s)
    for c in range(n):
        if s[c]>='a' and s[c]<='z':
            if s[c]==sr:
                u+=1
        if s[c]>='A' and s[c]<='Z':
            usr=sr.upper()
            if s[c]==usr:
                l+=1
    cs=u+l
    print("Non-Case Sensitive : ",cs)

#main:
count_letter()
```

```
Sentence : HeLlo wOrld
Search a Letter : o
Non-Case Sensitive :  2
```

In [4]:
```
#prgm2
#input

s=input("Sentence : ")
dt=0
cn=0
vl=0
sp=0
n=len(s)
c=0
#check:
while c<n:
    if  s[c]=='a' or  s[c]=='A' or s[c]=='e' or s[c]=='E' or s[c]=='i' or s[c]=='
        vl+=1
    elif s[c]=='b' or s[c]=='c' or s[c]=='d' or s[c]=='f' or s[c]=='g' or s[c]=='
        cn+=1
    elif s[c]>='0' and s[c]<='9':
        dt+=1
    elif s[c]==" ":
        sp+=1
    c+=1
print("No. of Space : ",sp)
print("No. of Digits : ",dt)
print("No. of Volwels : ",vl)
print("No. of Consonants : ",cn)
```

```
Sentence : Bishop Heber College 18
No. of Space :  3
No. of Digits :  2
No. of Volwels :  7
No. of Consonants :  11
```

In [6]:
```
#prgm3
#input

def remove_punctuation(s1=''):

    s1=input("Mixed Sentence Punctuation : ")

    s2=''

    n=len(s1)

    for c in range(n):

        if s1[c]!="!" and s1[c]!="'\'" and s1[c]!="|" and s1[c]!="#" and s1[c]!=

            s2=s2+s1[c]

    print(s2)

#main:

remove_punctuation()
```

```
Mixed Sentence Punctuation : "Bishop's College!...."
"Bishops College"
```

In [7]:
```
def remove_punctuation(s1=''):

    s1=input("Mixed Sentence Punctuation : ")

    s2=''

    n=len(s1)

    for c in range(n):

        if s1[c]!="!" and s1[c]!="'\'" and s1[c]!="|" and s1[c]!="#" and s1[c]!=

            s2=s2+s1[c]

    print(s2)

#main:

remove_punctuation()
```

```
Mixed Sentence Punctuation : "#bhc trending @cs $csplacement::>."
"bhc trending cs csplacement"
```

In [8]:
```
#prgm4
#input

def pig_latin():
    s=input("Word : ")
    s1=''
    n=len(s)
    m=''
    for c in range(n):
        if s[0]=='a' or  s[0]=='A' or s[0]=='e' or s[0]=='E' or s[0]=='i' or s[0]
            s1=s+"-way"
        #check consonants and take only vowel:
        elif (s[c]=='b' or s[c]=='c' or s[c]=='d' or s[c]=='f' or s[c]=='g' or s[
            s1=s1+s[c]#find vowel
            m=s.index(s1[0])#vowal index
            s1=s[m:]+"-"+s[:m]+"ay"
    print("Pig Latin : ",s1)

#main:
for i in range(5):
    pig_latin()
    print()
```

```
Word : pig
Pig Latin :  ig-pay

Word : banana
Pig Latin :  anana-bay

Word : trash
Pig Latin :  ash-tray

Word : apple
Pig Latin :  apple-way

Word : orange
Pig Latin :  orange-way
```

In [ ]: