WAPP to check wheather character is vowels or consonent

In [10]:

```
n = input('Enter a character:')
if len(n) == 1:
    if n.isalpha():
        if n in 'aieouAIEOU':
            print(n,'is vowels')
        else:
            print(n,'is consonent')
    else:
        print('Entered value is not a character')
else:
    print('Enter a valid single alphabet')

```

```
Enter a character:m
m is consonent
```

WAPP to enter any alphabet and check wheather it is in upper case or lower case

In [15]:

```
a = input('Enter a character: ')
if len(a) == 1:
    if a.isalpha():
        if a.isupper():
            print(a,'is in a upper case')
        else:
            print(a,'is in a lower case')
    else:
        print('Entered value is not a character')
else:
    print('Enter a valid single alphabet')

```

```
Enter a character: M
M is in a upper case
```

WAP to print every character of a string entered by the user in a new line using a loop

In [1]:

```
s = input('Enter a string:')
for i in s:
    print(i)
```

```
Enter a string:manisha lipare
m
a
n
i
s
h
a

l
i
p
a
r
e
```

WAP to find the length of the string with and without using len function

In [29]:

```
s = input('Enter a string:')
print(len(s))
c = 0
for i in s:
    c+= 1
print('The length of the string is',c)
```

```
Enter a string:machine learning
16
The length of the string is 16
```

WAP to check if the word 'orange' is present in the string

In [26]:

```
s = input('Enter a string:')
l = s.split()
for i in l:
    if i.lower() == 'orange':
        print('The Orange is present in a given string')
    else:
        print('The Orange is not present in a given string')
```

```
Enter a string:This is orange juice
The Orange is not present in a given string
The Orange is not present in a given string
The Orange is present in a given string
The Orange is not present in a given string
```

In [28]:

```
s = input('Enter a string:')
l = s.split()
m = ''
for i in l:
    if i.lower() == 'orange':
        m = i
        print('The Orange is present in a given string',m)
```

```
Enter a string:This is Orange juice
The Orange is present in a given string Orange
```

In [12]:

```
s = input('Enter a string:')
l = s.split()
m = ''
for i in l:
    if i.lower() == 'orange':
        m = i
        print('The Orange is present in a given string',m)
```

```
Enter a string:manisha lipare
```

WAP to find the number of vowels, consonants, digit and white space characters in a string

In [21]:

```
s = input('Enter a string:')
vowels = ['A','I','E','O','U','a','i','e','o','u']
v = 0
c = 0
d = 0
w = 0
for i in s:
    if i.isdigit():
        d+= 1
    elif i == ' ':
        w+= 1
    elif i in vowels:
        v = v+1
    else:
        c+=1
print('The number of Vowels-',v,'consonant-',c,'digit-',d,'& white space-',w)
```

```
Enter a string:manisha rakesh lipare 1234567
The number of Vowels- 8 consonant- 11 digit- 7 & white space- 3
```

WAP to count Uppercase,lowercase,special character and numeric values in a given string

In [24]:

```
s = input('Enter a string:')
n = 0
u = 0
l = 0
sp = 0

for i in s:
    if i.isnumeric():
        n+= 1
    elif i.isupper():
        u+=1
    elif i.islower():
        l+=1
    else:
        sp+=1

print('The number of numeric value-',n,'Uppercase-',u,'Lowercase-',l,'& Special char-',
```

```
Enter a string:MaNisHa$$LipaRe&&@@1234567
The number of numeric value- 7 Uppercase- 5 Lowercase- 8 & Special char- 6
```

WAP to make a new string with all the consonants deleted from the string

In [25]:

```
s = input('Enter a string:')
vowels = ['A','I','E','O','U','a','i','e','o','u']
m =''
for i in s:
    if i in vowels:
        m = m+i
print('The new string with all the consonants deleted from the string:',m)

```

```
Enter a string:'Hello,have a good day'
The new string with all the consonants deleted from the string: eoaeaooa
```

WAP to remove the nth index character from a non empty string

In [12]:

```
s = input('Enter a string:')
n = len(s)

for i in s:
    if n > 1:
        print(i,end='')
        n-=1

```

```
Enter a string:manisha
manish
```

WAP to change a given string to new string where the first and last characters

have been exchanged

In [38]:

```
s = input('Enter a string:')
l = []
l.extend(s)
temp = l[0]
l[0] = l[-1]
l[-1] = temp
print(''.join(l))
```

```
Enter a string:manisha lipare
eanisha liparm
```

In [37]:

```
s = input('Enter a string:')
print(s[-1]+s[1:-1]+s[0])
```

```
Enter a string:Anvita Lipare
envita LiparA
```

WAP to count the occurence of each word in a given sentence

In [39]:

```
s = input('Enter a string:')
w = input('Enter a single word:')
l = s.split()
word = 0
for i in l:
    if w == i:
        word+=1
print('The occurence of the given word -',word)

```

```
Enter a string:'Hello,have a good day'
Enter a single word:good
The occurence of the given word - 1
```

In [40]:

```
s = input('Enter a string:')
w = input('Enter a single word:')
l = s.split()
word = 0
for i in l:
    if w == i:
        word+=1
print('The occurence of the given word -',word)
```

```
Enter a string:'Hello,have a good day'
Enter a single word:Anvi
The occurence of the given word - 0
```

WAP to count the occurence of a given character in astring

In [44]:

```
s = input('Enter a string:')
print({i:s.count(i) for i in s})
```

```
Enter a string:machine learning
{'m': 1, 'a': 2, 'c': 1, 'h': 1, 'i': 2, 'n': 3, 'e': 2, ' ': 1, 'l': 1,
'r': 1, 'g': 1}
```

In [45]:

```
s = input('Enter a string:')
c = input('Enter a single character:')
count = 0
for i in s:
    if i == c:
        count+=1
print('The occurence of the given character -',count)
```

```
Enter a string:machine learning
Enter a single character:e
The occurence of the given character - 2
```

WAP to find last 10 character of a string

In [53]:

```
s = input('Enter a string:')
print(s[-10:])
```

```
Enter a string:Python is a case sensitive language
e language
```

WAP to convert a given string to all uppercase if it contains at least 2 uppercase character in the first 4 character

In [67]:

```
s = input('Enter a string:')
c = 0
for i in s[:4]:
    if i.isupper():
        c+=1
print(c)
if c >= 2:
    print(s.upper())
else:
    print('The first 2 character is not in uppencase')

```

```
Enter a string:PYThon is a case sensitive language
3
PYTHON IS A CASE SENSITIVE LANGUAGE
```