

WAPP to check wheather character is vowels or consonent

In [10]:

```
1 n = input('Enter a character:')
2 if len(n) == 1:
3     if n.isalpha():
4         if n in 'aieouAIEOU':
5             print(n,'is vowels')
6         else:
7             print(n,'is consonent')
8     else:
9         print('Entered value is not a character')
10 else:
11     print('Enter a valid single alphabet')
12
```

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]:

```
1 a = input('Enter a character: ')
2 if len(a) == 1:
3     if a.isalpha():
4         if a.isupper():
5             print(a,'is in a upper case')
6         else:
7             print(a,'is in a lower case')
8     else:
9         print('Entered value is not a character')
10 else:
11     print('Enter a valid single alphabet')
12
```

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]:

```
1 s = input('Enter a string:')
2 for i in s:
3     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]:

```
1 s = input('Enter a string:')
2 print(len(s))
3 c = 0
4 for i in s:
5     c+= 1
6 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]:

```
1 s = input('Enter a string:')
2 l = s.split()
3 for i in l:
4     if i.lower() == 'orange':
5         print('The Orange is present in a given string')
6     else:
7         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]:

```
1 s = input('Enter a string:')
2 l = s.split()
3 m = ''
4 for i in l:
5     if i.lower() == 'orange':
6         m = i
7         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]:

```
1 s = input('Enter a string:')
2 l = s.split()
3 m = ''
4 for i in l:
5     if i.lower() == 'orange':
6         m = i
7         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]:

```
1 s = input('Enter a string:')
2 vowels = ['A','I','E','O','U','a','i','e','o','u']
3 v = 0
4 c = 0
5 d = 0
6 w = 0
7 for i in s:
8     if i.isdigit():
9         d+= 1
10    elif i == ' ':
11        w+= 1
12    elif i in vowels:
13        v = v+1
14    else:
15        c+=1
16 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]:

```
1 s = input('Enter a string:')
2 n = 0
3 u = 0
4 l = 0
5 sp = 0
6
7 for i in s:
8     if i.isnumeric():
9         n+= 1
10    elif i.isupper():
11        u+=1
12    elif i.islower():
13        l+=1
14    else:
15        sp+=1
16
17 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]:

```
1 s = input('Enter a string:')
2 vowels = ['A','I','E','O','U','a','i','e','o','u']
3 m = ''
4 for i in s:
5     if i in vowels:
6         m = m+i
7 print('The new string with all the consonants deleted from the string:',m)
8
```

Enter a string:'Hello,have a good day'

The new string with all the consonants deleted from the string: eoaeaoaa