

1.6 Important string functions.

1. count(substring)
 - A. count(substring,begin,end)
2. replace(old string,new string)
3. split(saparation)--> Gives ansewr in list.

```
In [2]: a="abcdefghijklkabcedhksdu"
s=a.count("a")
s1=a.count("a",2,10)
print(s,end=" ")
print(s1,end=" ")
```

2 0

```
In [3]: s="Learing java is very easy."
a=s.replace("java","phthon")
print(a)
```

Learing phthon is very easy.

```
In [6]: s="LJ Univesity."
l=s.split()
print(l)
s1="15-09-2005"
l1=s1.split("-")
print(l1)
s2="15-09-2005"
l2=s2.split("0")
print(l2)
```

```
['LJ', 'Univesity.']
['15', '09', '2005']
['15-', '9-2', '', '5']
```

1.7 Remove punctuation using translate() function.

1. translate() with maketrans function.
 - A. maketrans ---> 3 argument version. First two argument equal length string. For third, characters in string is mapped to none.

```
In [7]: import string
print(string.punctuation)
print(len(string.punctuation))

!"#$%&'()*+,-./:;<=>?@[\\]^_`{|}~
32
```

```
In [11]: import string
print(str.maketrans(" ","",string.punctuation))
print("-----")
print(str.maketrans("a","b",string.punctuation))
print("-----")
print(str.maketrans("a","b","$@"))
print("-----")
print(str.maketrans("a","bc","$@"))
```

```
{32: 32, 33: None, 34: None, 35: None, 36: None, 37: None, 38: None, 39: None, 40: None, 41: None, 42: None, 43:
None, 44: None, 45: None, 46: None, 47: None, 58: None, 59: None, 60: None, 61: None, 62: None, 63: None, 64: Non
e, 91: None, 92: None, 93: None, 94: None, 95: None, 96: None, 123: None, 124: None, 125: None, 126: None}
-----
```

```
{97: 98, 33: None, 34: None, 35: None, 36: None, 37: None, 38: None, 39: None, 40: None, 41: None, 42: None, 43:
None, 44: None, 45: None, 46: None, 47: None, 58: None, 59: None, 60: None, 61: None, 62: None, 63: None, 64: Non
e, 91: None, 92: None, 93: None, 94: None, 95: None, 96: None, 123: None, 124: None, 125: None, 126: None}
-----
```

```
{97: 98, 36: None, 64: None}
-----
```

```
-----
ValueError                                Traceback (most recent call last)
<ipython-input-11-b83b8fec8619> in <module>
      6 print(str.maketrans("a","b","$@"))
```

```
7 print("-.....")
----> 8 print(str.maketrans("a","bc","$@"))
```

ValueError: the first two maketrans arguments must have equal length

```
In [17]: import string
s="Le@rning Py$h!on is very ea$y."
t=s.maketrans(" "," ",string.punctuation)
x=s.translate(t)
print(x)
print("-----")
s1="Le@rning Py$h!on is very ea$y."
t1=s1.maketrans("x"," ")
x1=s1.translate(t1)
print(x1)
print("-----")
a="Hi Sam!!"
b="mSa"
c="eJo"
mytable=a.maketrans(b,c)
print(a.translate(mytable))
```

Lerning Pyhon is very eay

Le@rning Py\$h!on is very ea\$y.

Hi Joe!!

In []: