

- Indexing

(indexing is called counting from 0, space is also counted)

```
In [1]: # make a string  
a= "samosa pakora"  
a
```

```
Out[1]: 'samosa pakora'
```

```
In [2]: a
```

```
Out[2]: 'samosa pakora'
```

```
In [ ]: # Length of index
```

```
In [9]: len(a)
```

```
Out[9]: 13
```

```
In [3]: a[0]
```

```
Out[3]: 's'
```

```
In [4]: a[1]
```

```
Out[4]: 'a'
```

```
In [5]: a[3]
```

```
Out[5]: 'o'
```

```
In [8]: a[6]
```

```
Out[8]: ' '
```

```
In [11]: a[12]
```

```
Out[11]: 'a'
```

```
In [ ]: samosa have 6 characters , 0,1,2,3,4,5
```

```
In [17]: a[0:5]
```

```
Out[17]: 'samos'
```

```
In [ ]: # last one is exclusive character, total number of character will be written here with 0.
```

```
In [16]: a[0:6]
```

```
Out[16]: 'samosa'
```

```
In [18]: a[0:13]
```

```
Out[18]: 'samosa pakora'
```

```
In [19]: # if we want to count from backside then start from -1,-2, -3....
```

```
In [20]: a[-2]
```

```
Out[20]: 'r'
```

```
In [ ]: # for reverse counting you will put total number of characters
```

```
In [29]: a[-6:13]
```

```
Out[29]: 'pakora'
```

```
In [30]: a[-3:13]
```

```
Out[30]: 'ora'
```

```
In [31]: a[-10:13]
```

```
Out[31]: 'osa pakora'
```

```
In [38]: food= "biryani"  
food
```

```
Out[38]: 'biryani'
```

String Method

```
In [40]: food
```

```
Out[40]: 'biryani'
```

```
In [41]: len(food)
```

```
Out[41]: 7
```

```
In [42]: food.capitalize()
```

```
Out[42]: 'Biryani'
```

```
In [45]: food.swapcase()
```

```
Out[45]: 'BIRYANI'
```

```
In [46]: food.upper()
```

```
Out[46]: 'BIRYANI'
```

```
In [49]: food.lower()
```

```
Out[49]: 'biryani'
```

```
In [50]: food.replace("b", "Sana")
```

```
Out[50]: 'Sanairyani'
```

Counting a specific alphabet in a string

```
In [51]: name="baba_ammam with ammar tufail"
name
```

```
Out[51]: 'baba_ammam with ammar tufail'
```

```
In [52]: name.count("a")
```

```
Out[52]: 7
```

```
In [53]: name.count("ma")
```

```
Out[53]: 2
```

Finding index number in string

```
In [54]: name= "baba_ammam with ammar tufail"
name
```

```
Out[54]: 'baba_ammam with ammar tufail'
```

```
In [58]: name.find("t")
```

```
Out[58]: 13
```

```
In [59]: name.find("r")
```

```
Out[59]: 9
```

```
In [60]: len(name)
```

```
Out[60]: 28
```

-How to split a string , Split means alag krna

```
In [62]: food= "I love samosa, pakora, raita, biryani and karahi"
food
```

```
Out[62]: 'I love samosa, pakora, raita, biryani and karahi'
```

```
In [63]: food.split(",")
```

```
Out[63]: ['I love samosa', ' pakora', ' raita', ' biryani and karahi']
```

```
In [64]: food.split("s")
```

```
Out[64]: ['I love ', 'amo', 'a, pakora, raita, biryani and karahi']
```

```
In [65]: food.split("a")
```

```
Out[65]: ['I love s',  
          'mos',  
          ', p',  
          'kor',  
          ', r',  
          'it',  
          ', biry',  
          'ni ',  
          'nd k',  
          'r',  
          'hi']
```