Indexing

```
In [1]:   # Make a String
```

```
In [2]:   a= "Samosa Pakora"
          a
```

Out[2]:   'Samosa Pakora'

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

Out[3]:   'Samosa Pakora'

```
In [4]:   a[0]
```

Out[4]:   'S'

```
In [5]:   a[1]
```

Out[5]:   'a'

```
In [6]:   a[2]
```

Out[6]:   'm'

```
In [7]:   a[7]
```

Out[7]:   'P'

```
In [8]:   # lenght of indices
          len (a)
```

13

```
Out[8]:
```

```
In [9]:   a[12]
```

```
Out[9]:  'a'
```

```
In [10]:  a[0:5]
```

```
Out[10]:  'Samos'
```

```
In [11]:  # Last Index in exclusive
          a[0:6]
```

```
Out[11]:  'Samosa'
```

```
In [12]:  a[0:13]
```

```
Out[12]:  'Samosa Pakora'
```

```
In [13]:  a[-2]
```

```
Out[13]:  'r'
```

```
In [14]:  a[-1]
```

```
Out[14]:  'a'
```

```
In [15]:  a[-6]
```

```
Out[15]:  'P'
```

```
In [16]:  a[-6:-1]
```

```
Out[16]:  'Pakor'
```

```python
In [17]: a[-1:-6]

Out[17]: ''

In [18]: a[-6:-13]

Out[18]: ''

In [19]: a[-13:-1]

Out[19]: 'Samosa Pakor'

In [20]: a[-13]

Out[20]: 'S'

In [21]: a[-12:-1]

Out[21]: 'amosa Pakor'

In [22]: a[-13:0]

Out[22]: ''

In [23]: a[-13:-1]

Out[23]: 'Samosa Pakor'

In [24]: a[-1:13]

Out[24]: 'a'
```

```
In [25]:    food ="biryani"
            food
```

Out[25]:   'biryani'

```
In [26]:    len(food)
```

Out[26]:   7

String Methods

```
In [27]:    food
```

Out[27]:   'biryani'

```
In [28]:    # Capatalize First Letter
            food.capitalize()
```

Out[28]:   'Biryani'

```
In [29]:    # Upper case Letter
            food.upper()
```

Out[29]:   'BIRYANI'

```
In [30]:    food.lower()
```

Out[30]:   'biryani'

```
In [31]:    #replace
            food.replace("a","sh")
```

Out[31]:   'biryshni'

```
In [32]:    # Counting a specific alphabet in a string
```

```
name="Mohammad Shahram urf Shero"
name
```

Out[32]: 'Mohammad Shahram urf Shero'

In [33]:
```
name.count("S")
```

Out[33]: 2

In [34]:
```
name.count("m")
```

Out[34]: 3

Finding an index number in string

In [35]:
```
name="Mohammad Shahram urf Shero"
name
```

Out[35]: 'Mohammad Shahram urf Shero'

In [36]:
```
name.find("u")
```

Out[36]: 17

In [37]:
```
name.find("S")
```

Out[37]: 9

In [38]:
```
name.find("g")
```

Out[38]: -1

How to split a string

In [39]:

```python
food="I love Samosa, Pakora, Baryani, and Karhai"
food
```

Out[39]: `'I love Samosa, Pakora, Baryani, and Karhai'`

In [40]:
```python
food.split(" ")
```

Out[40]: `['I', 'love', 'Samosa,', 'Pakora,', 'Baryani,', 'and', 'Karhai']`

In [41]:
```python
food.split(",")
```

Out[41]: `['I love Samosa', ' Pakora', ' Baryani', ' and Karhai']`

In [42]:
```python
food= "I Love Samosa Pakora Baryani Chowmin and Karhai"
food
```

Out[42]: `'I Love Samosa Pakora Baryani Chowmin and Karhai'`

In [43]:
```python
food.split(" ")
```

Out[43]: `['I', 'Love', 'Samosa', 'Pakora', 'Baryani', 'Chowmin', 'and', 'Karhai']`