MAP

Given a list find numbers of letters in each value of list using map

In [3]:
```python
def letters(n):
    return len(n)

li = ["Muhammad", "Yasir", "Babar", "Bhatti"]
x = map(letters, li) #Map automatically call letter function with each value of li and store result in x.

print(list(x)) #Displayed count in list form
```

```
[8, 5, 5, 6]
```

Concatenate two strings using map

In [5]:
```python
def concate(a,b):
    return a + " " + b

f = ["Muhammad", "Zaheer", "Altaf"]
l = ["Yasir", "Babar", "Hussain"]

x = map(concate, f,l)

print(list(x))
```

```
['Muhammad Yasir', 'Zaheer Babar', 'Altaf Hussain']
```

ZIP

Concatenate names using zip

In [11]:
```python
# concate function is not req if we use zip for performing this task

f = ["Muhammad", "Zaheer", "Altaf"]
l = ["Yasir", "Babar", "Hussain"]

x = zip(f,l)

print(list(x))
```

```
[('Muhammad', 'Yasir'), ('Zaheer', 'Babar'), ('Altaf', 'Hussain')]
```

Enumerate

In [12]:
```python
# Assigning IDS to values is called enumerating

f = ["Muhammad", "Zaheer", "Altaf"]
ID = enumerate(f)

for i in ID:
    print(i)
```

```
(0, 'Muhammad')
(1, 'Zaheer')
(2, 'Altaf')
```