

List Functions

In []:

```
1. append
2. extend
3. insert
4. remove
5. pop
6. clear
7. sort
8. index
9. reverse
10. count
11. copy
```

```
del
sorted()
min()
max()
sum()
reversed()
```

List Comprehension

In [2]:

```
l1 = [10,2,3,5,7,8,9]
min(l1)
```

Out[2]:

2

In [4]:

```
l1 = [10,2,3,5,7,8,9]
max(l1)
```

Out[4]:

10

In [6]:

```
l1 = [10,2,3,5,7,8,9]
sum(l1)
```

Out[6]:

44

In [7]:

```
# List Constructor
```

In [9]:

```
string = 'Pune'
list(string)
```

Out[9]:

```
['P', 'u', 'n', 'e']
```

In [12]:

```
string = 'Data Science'
```

```
l2 = list(string)
```

```
In [14]:
```

```
('').join(l2)
```

```
Out[14]:
```

```
'Data Science'
```

```
In [18]:
```

```
string = 'python and Data Science'  
l2 = string.split()  
l2
```

```
Out[18]:
```

```
['python', 'and', 'Data', 'Science']
```

```
In [22]:
```

```
string = 'python and Data Science'  
len(string)  
l3 = list(string)  
print(l3)
```

```
['p', 'y', 't', 'h', 'o', 'n', ' ', 'a', 'n', 'd', ' ', 'D', 'a', 't', 'a', ' ', 'S', 'c',  
, 'i', 'e', 'n', 'c', 'e']
```

```
In [24]:
```

```
tuple1 = (2,3,4,5,7)  
list1 = list(tuple1)  
list1
```

```
Out[24]:
```

```
[2, 3, 4, 5, 7]
```

```
In [25]:
```

```
string = 'python'  
# out_str = 'p-y-t-h-o-n'  
l1 = list(string)  
out_str = '-'.join(l1)  
print(out_str)
```

```
p-y-t-h-o-n
```