

20 METHODS ON LIST, TUPLES AND DICTIONARIES WITH EXAMPLES

a) LIST

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

b) TUPLES

1. len()
2. sorted()
3. min()
4. max()
5. sum()
6. tuple()
7. index()
8. count()

c) DICTIONARIES

1. keys ()
2. values()
3. items()
4. get()

LIST ARE USED TO STORE MULTIPLE ITEMS IN A SINGLE VARIABLE, IT STORES COLLECTION OF DATA.

```
In [5]: Fruit_list = ['mango', 'cashew', 'watermelon', 'Apple']  
print(Fruit_list)  
  
['mango', 'cashew', 'watermelon', 'Apple']
```

```
In [9]: Fruit_list = ['mango', 'cashew', 'watermelon', 'Apple']  
Fruit_list.append('carrot')  
print (Fruit_list)
```

```
['mango', 'cashew', 'watermelon', 'Apple', 'carrot']
```

```
In [10]: Fruit_list = ['mango', 'cashew', 'watermelon', 'Apple']  
Fruit_list.extend('carrot')  
print (Fruit_list)
```

```
['mango', 'cashew', 'watermelon', 'Apple', 'c', 'a', 'r', 'r', 'o', 't']
```

```
In [16]: my_List = [1,2,3,4,5,6]  
my_List.pop(2)  
print (my_List)
```

```
[1, 2, 4, 5, 6]
```

```
In [17]: Fruit_list = ['mango', 'cashew', 'watermelon', 'Apple']  
Fruit_list.pop(3)  
print (Fruit_list)
```

```
['mango', 'cashew', 'watermelon']
```

TUPLES ARE IMMUTABLE MEANING THEY CANT BE CHANGED ONCE THEY ARE CREATED.

```
In [1]: my_Tuple=('mango', 'cashew', 'watermelon', 'Apple')  
print(len(my_Tuple))
```

```
4
```

```
In [2]: my_Tuple=('mango', 'cashew', 'watermelon', 'Apple')  
print(type(my_Tuple))
```

```
<class 'tuple'>
```

```
In [3]: tuple_num=(1,2,3,4,5,6,7,8,9)  
print(tuple_num)
```

```
(1, 2, 3, 4, 5, 6, 7, 8, 9)
```

```
In [12]: tuple_num=(1,2,3,4,5,6,7,8,9)  
x=min(tuple_num)  
print(x)
```

```
1
```

```
In [13]: tuple_num=(1,2,3,4,5,6,7,8,9)
x=max(tuple_num)
print(x)
```

9

```
In [18]: my_num= [10,3,49,20,4,9,34.76]
my_num.sort()
print(my_num)
```

[3, 4, 9, 10, 20, 34.76, 49]

DICTIONARIES

```
In [22]: dict={'brand': 'toyota', 'model': 'mustang', 'year': 2000}
x=dict.keys()
print(dict)
```

{'brand': 'toyota', 'model': 'mustang', 'year': 2000}

```
In [23]: dict={'brand': 'toyota', 'model': 'mustang', 'year': 2000}
x=dict.values()
print(dict)
```

{'brand': 'toyota', 'model': 'mustang', 'year': 2000}

```
In [25]: dict={'brand': 'toyota', 'model': 'mustang', 'year': 2000}
x=dict.items()
print(dict)
```

{'brand': 'toyota', 'model': 'mustang', 'year': 2000}

In []: