In [1]:
```python
list=[1,"python","false"]
list
```

Out[1]: `[1, 'python', 'false']`

In [4]:
```python
list.count("python")
```

Out[4]: `1`

In [5]:
```python
list3=[20,45,76,576,4345,787]
list3
```

Out[5]: `[20, 45, 76, 576, 4345, 787]`

In [6]:
```python
len(list3)
```

Out[6]: `6`

In [9]:
```python
list3.sort()
list3
```

Out[9]: `[20, 45, 76, 576, 787, 4345]`

In [10]:
```python
list3*3
```

Out[10]:
```
[20,
 45,
 76,
 576,
 787,
 4345,
 20,
 45,
 76,
 576,
 787,
 4345,
 20,
 45,
 76,
 576,
 787,
 4345]
```

In [11]:
```python
## dectionary
```

In [14]:
```python
#unordered collection off elements
#key and value
#curly braces or brackets
#changed the values
```

In [16]:
```python
d1={"samosa":20,"pakora":50,"raita":10,"salad":15,"chicken role":30}
d1
```

Out[16]: `{'samosa': 20, 'pakora': 50, 'raita': 10, 'salad': 15, 'chicken role': 30}`

In [18]:
```python
type(d1)
```

Out[18]: `dict`

In [19]:
```python
d1.keys()
```

Out[19]: `dict_keys(['samosa', 'pakora', 'raita', 'salad', 'chicken role'])`

In [20]:
```python
d1.values()
```

Out[20]: `dict_values([20, 50, 10, 15, 30])`

In [27]:
```python
d1["tikyan"]=40
d1
```

Out[27]:
```
{'samosa': 20,
 'pakora': 50,
 'raita': 10,
 'salad': 15,
 'chicken role': 30,
 'tikyan': 40}
```

In [26]:
```python
d1["tikyan"]=45
d1
```

Out[26]:
```
{'samosa': 20,
 'pakora': 50,
 'raita': 10,
 'salad': 15,
 'chicken role': 30,
 'tikyan': 45}
```

In [28]:
```python
d2={"sweets":30,"choclates":100,"siwayrn":50,"drinks":200}
d2
```

Out[28]: `{'sweets': 30, 'choclates': 100, 'siwayrn': 50, 'drinks': 200}`

In [30]:
```python
d1.update(d2)
d1
```

```
Out[30]:  {'samosa': 20,
           'pakora': 50,
           'raita': 10,
           'salad': 15,
           'chicken role': 30,
           'tikyan': 40,
           'sweets': 30,
           'choclates': 100,
           'siwayrn': 50,
           'drinks': 200}
```

In [ ]:
```python
## sets
# unordered and undexed
# curly braces
# no duplicates
```

In [31]:
```python
s1={1,4,5,3.4,43.9,"rabia","kainat","false"}
s1
```

Out[31]: {1, 3.4, 4, 43.9, 5, 'false', 'kainat', 'rabia'}

In [33]:
```python
s1.add("khan")
s1
```

Out[33]: {1, 3.4, 4, 43.9, 5, 'false', 'kainat', 'khan', 'rabia'}

In [34]:
```python
s1.remove(43.9)
s1
```

Out[34]: {1, 3.4, 4, 5, 'false', 'kainat', 'khan', 'rabia'}

In [ ]: