Sets

In [1]:
```
s = {}
type(s)
```

Out[1]:
```
dict
```

In [2]:
```
s = {1,2,3,4,5}
print(s)
```

```
{1, 2, 3, 4, 5}
```

In [3]:
```
s = {1,2,3.4,5,"akhil"}
print(s)
```

```
{1, 2, 3.4, 5, 'akhil'}
```

In [6]:
```
s.add(6)
print(s)
```

```
{1, 2, 3.4, 5, 6, 'akhil'}
```

In [7]:
```
set = {1,2,3,4}
print(set)
```

```
{1, 2, 3, 4}
```

In [8]:
```
set.add(9)
print(set)
```

```
{1, 2, 3, 4, 9}
```

In [11]:
```
set.update(s)
print(set)
```

```
{1, 2, 3, 4, 3.4, 5, 6, 9, 'akhil'}
```

In [12]:
```
print(set)
```

```
{1, 2, 3, 4, 3.4, 5, 6, 9, 'akhil'}
```

In [15]:
```
set.remove(9)
print(set)
```

```
{1, 2, 3, 4, 3.4, 5, 6, 'akhil'}
```

In [16]:
```
set.pop()
```

Out[16]:
```
1
```

In [17]:
```
set
```

Out[17]:
```
{2, 3, 3.4, 4, 5, 6, 'akhil'}
```

In [21]:
```
set.difference(s)
```

Out[21]:
```
{3, 4}
```

In [19]:
```
s1 = {1,2,3,4}
```

In [20]:
```
set.difference(s1)
```

Out[20]:
```
{3.4, 5, 6, 'akhil'}
```

In [24]:
```
set.copy()
```

Out[24]:
```
{2, 3, 3.4, 4, 5, 6, 'akhil'}
```

In [26]:
```
set.union(s1)
```

Out[26]:
```
{1, 2, 3, 3.4, 4, 5, 6, 'akhil'}
```

In [27]:
```
set.intersection(s1)
```

Out[27]:
```
{2, 3, 4}
```

In [28]:
```
set.intersection()
```

Out[28]:
```
{2, 3, 3.4, 4, 5, 6, 'akhil'}
```

In [29]:
```
set.symmetric_difference(s1)
```

Out[29]:
```
{1, 3.4, 5, 6, 'akhil'}
```

In [30]:
```
s1.clear()
```

Dictionaries

In [31]:
```
d = {}
type(d)
```

Out[31]:
```
dict
```

In [1]:
```
d = {"name":"Akhil", "moblie name":"oneplus nord","age":"22"}
print(d)
```

```
{'name': 'Akhil', 'moblie name': 'oneplus nord', 'age': '22'}
```

In [2]:
```
d1 = {'name':'jack','age':'24','moblie name':'redmi'}
print(d1)
```

```
{'name': 'jack', 'age': '24', 'moblie name': 'redmi'}
```

In [3]:
```
d1.clear()
print(d1)
```

```
{}
```

In [4]:
```
d.copy()
d
```

Out[4]:
```
{'name': 'Akhil', 'moblie name': 'oneplus nord', 'age': '22'}
```

In [12]:
```
d.fromkeys('name')
```

Out[12]:
```
{'n': None, 'a': None, 'm': None, 'e': None}
```

In [17]:
```
d.get(0)
```

In [16]:
```
d.items()
```

Out[16]:
```
dict_items([('name', 'Akhil'), ('moblie name', 'oneplus nord'), ('age', '22')])
```

In [18]:
```
d.keys()
```

Out[18]:
```
dict_keys(['name', 'moblie name', 'age'])
```

In [20]:
```
d.update()
d
```

Out[20]:
```
{'name': 'Akhil', 'moblie name': 'oneplus nord', 'age': '22'}
```

In [21]:
```
d.values()
```

Out[21]:
```
dict_values(['Akhil', 'oneplus nord', '22'])
```

In [24]:
```
d.setdefault(1)
d
```

Out[24]:
```
{'name': 'Akhil', 'moblie name': 'oneplus nord', 'age': '22', 1: None}
```

In [26]:
```
d.pop(1)
d
```

Out[26]:
```
{'name': 'Akhil', 'moblie name': 'oneplus nord', 'age': '22'}
```

In [28]:
```
d.popitem()
d
```

Out[28]:
```
{'name': 'Akhil', 'moblie name': 'oneplus nord'}
```

In [ ]:
```

```