

```
In [1]: basket={"orange","apple",'magno','apple',"orange"}

In [2]: basket

Out[2]: {'apple', 'magno', 'orange'}

In [3]: type(basket)

Out[3]: set

In [4]: mo=[1,2,"gowtham"]

In [5]: type(mo)

Out[5]: list

In [10]: mos={"name":"gowtham","age":23}

In [11]: type(mos)

Out[11]: dict

In [17]: a=set()

In [18]: a.add(1)

In [19]: a.add(2)

In [20]: a

Out[20]: {1, 2}

In [23]: mos["name"]

Out[23]: 'gowtham'

In [24]: mo[0]

Out[24]: 1

In [25]: mo[2]

Out[25]: 'gowtham'

In [27]: set[basket]

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TypeError                                 Traceback (most recent call last)
<ipython-input-27-a353e5a57238> in <module>
----> 1 set[basket]

TypeError: 'type' object is not subscriptable

In [28]: set[0]

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TypeError                                 Traceback (most recent call last)
<ipython-input-28-5a7e82b41e48> in <module>
----> 1 set[0]

TypeError: 'type' object is not subscriptable

In [29]: number=[22,21,21,2,4,4,4,45,6,6,7]

In [30]: seting=set(number)

In [31]: type(seting)

Out[31]: set

In [32]: seting

Out[32]: {2, 4, 6, 7, 21, 22, 45}

In [33]: tupe=(12,3,4,5,676,)

In [35]: tupe

Out[35]: (12, 3, 4, 5, 676)

In [36]: fs=frozenset(number)

In [37]: fs

Out[37]: frozenset({2, 4, 6, 7, 21, 22, 45})

In [38]: fs.add(5)

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AttributeError                             Traceback (most recent call last)
<ipython-input-38-531d66904edb> in <module>
----> 1 fs.add(5)

AttributeError: 'frozenset' object has no attribute 'add'

In [41]: x={"a","b","c",4,5,6}

In [42]: x

Out[42]: {4, 5, 6, 'a', 'b', 'c'}

In [43]: 4 in x

Out[43]: True

In [44]: 4 not in x

Out[44]: False

In [45]: 8 not in x

Out[45]: True

In [46]: 8 in x

Out[46]: False

In [49]: for i in x:
          print(i)

c
4
5
a
6
b

In [50]: x={"a","b","c",4,5,6}

In [51]: y={'a','b','d',2,3,4,5,6}

In [52]: x|y

Out[52]: {2, 3, 4, 5, 6, 'a', 'b', 'c', 'd'}

In [53]: x&y

Out[53]: {4, 5, 6, 'a', 'b'}

In [54]: x={12,13,14,15}

In [55]: y={12,13}

In [56]: x<y

Out[56]: False

In [57]: x>y

Out[57]: True

In [ ]: 
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