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```
In [1]: #Superset, subset, disjoint
In [2]: s1 = \{1,2,3,4,5,6,7,8,9\}
        s2 = \{3,4,5,6,7,8\}
        s3 = \{10, 11, 12\}
In [3]: s1.issuperset (s2)
Out[3]: True
In [4]: s1.issubset (s2)
Out[4]: False
In [5]: s2.isdisjoint (s3)
Out[5]: True
In [6]: s3.isdisjoint (s1)
Out[6]: True
In [7]: for i in s1:
            print (i)
       1
       2
       3
       4
       5
       6
       7
       8
In [8]: for i in enumerate (s2):
            print(i)
       (0, 3)
       (1, 4)
       (2, 5)
       (3, 6)
       (4, 7)
       (5, 8)
In [ ]: # Dictionary
In [9]: d = {}
        d
Out[9]: {}
```

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```
In [10]: type(d)
Out[10]: dict
In [11]: d1 = {1: 'one', 2 : 'two', 3: 'three'}
Out[11]: {1: 'one', 2: 'two', 3: 'three'}
In [12]: d1.keys()
Out[12]: dict_keys([1, 2, 3])
In [14]: d1.values ()
Out[14]: dict_values(['one', 'two', 'three'])
In [15]: d2 = d1.copy ()
         d2
Out[15]: {1: 'one', 2: 'two', 3: 'three'}
In [16]: d1.items()
Out[16]: dict_items([(1, 'one'), (2, 'two'), (3, 'three')])
In [17]: d1[1]
Out[17]: 'one'
In [18]: keys = {'ab', 'c', 'd'}
         value = [ 20, 30, 40]
         mydict3 = dict.fromkeys (keys, value)
         mydict3
Out[18]: {'d': [20, 30, 40], 'c': [20, 30, 40], 'ab': [20, 30, 40]}
In [19]: value.append(50)
         mydict3
Out[19]: {'d': [20, 30, 40, 50], 'c': [20, 30, 40, 50], 'ab': [20, 30, 40, 50]}
In [20]: range(10)
Out[20]: range(0, 10)
In [21]: list(range(0,10))
Out[21]: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
In [22]: r = range (1,10)
```

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Out[22]: range(1, 10)
In [23]: for i in r:
 print(i)

1
2
3
4
5
6
7
8
9