```
In [1]: l=[2,4,6] | 1.append("strghjk")
 In [2]: 1
 Out[2]: [2, 4, 6, 'strghjk']
 In [3]: 1.insert(2,6789)
 Out[3]: [2, 4, 6789, 6, 'strghjk']
 In [4]: 1.pop()
 Out[4]: 'strghjk'
 In [5]: 1
 Out[5]: [2, 4, 6789, 6]
 In [6]: 1.pop(1)
 Out[6]: 4
 In [7]: 1
 Out[7]: [2, 6789, 6]
In [8]: 1.clear()
 In [9]: 1
 Out[9]: []
In [10]: 11=[2,4,8]
12=[10,12,18]
11+12
Out[10]: [2, 4, 8, 10, 12, 18]
In [11]: 12+11
Out[11]: [10, 12, 18, 2, 4, 8]
In [12]: 11*3
Out[12]: [2, 4, 8, 2, 4, 8, 2, 4, 8]
In [13]: 11=[13,14,16]
12=[20,21,22]
In [14]: 11
Out[14]: [13, 14, 16, 20, 21, 22]
In [15]: 1=[[2,3],[4,5]]
1[0]
Out[15]: [2, 3]
 In [ ]:
In [16]: 1[1]
Out[16]: [4, 5]
In [21]: t=() len(t)
Out[21]: 0
In [19]: type(t)
Out[19]: tuple
In [20]: l=[] type(1)
Out[20]: list
In [28]: 1=[2]
type(1)
Out[28]: list
In [26]: t=(2,) type(t)
Out[26]: tuple
In [29]: t=(2,4.5,"abcdg",[2,6,7])
Out[29]: (2, 4.5, 'abcdg', [2, 6, 7])
In [30]: t=(2,5,6)
Out[30]: (2, 5, 6)
In [33]: l=[10,12,13,(2,5,6),[1,2,3]]
len(1)
Out[33]: 5
In [32]: 1[3]
Out[32]: (2, 5, 6)
In [34]: t=(2,8,9)
type(t)
Out[34]: tuple
In [35]: t=2,8,9
type(t)
Out[35]: tuple
In [38]: t1=(2,4)
type(t1)
Out[38]: tuple
```

```
In [39]: 1=[2,4,8]
1[1]=400
1
Out[39]: [2, 400, 8]
In [40]: t=(2,4,8)
t[1]=400
t
        \textbf{TypeError: 'tuple' object does not support item assignment}
In [44]: t=(2,4,8,[1,2,3])
t[3][2]=300
t
Out[44]: (2, 4, 8, [1, 2, 300])
In [46]: t=(3,8,(5,7,8,(1,2,3),[10,20,30]),[[1,4,8],[50,90,70]]) len(t)
Out[46]: 4
In [48]: t[2][4][2]=3000
In [49]: t
Out[49]: (3, 8, (5, 7, 8, (1, 2, 3), [10, 20, 3000]), [[1, 4, 8], [50, 90, 70]])
In [52]: t[3][1][-2]=9000
Out[52]: (3, 8, (5, 7, 8, (1, 2, 3), [10, 20, 3000]), [[1, 4, 8], [50, 9000, 70]])
In [53]: t[1]=80
        TypeError Traceback (most recent call last)
cdpython-input-53-c0bd42727dic> in <module>
---> 1 t[1]=80
2 t
        TypeError: 'tuple' object does not support item assignment
In [56]: t=(2,5,6,2)
Out[56]: (2, 5, 6, 2)
In [57]: t.count(2)
Out[57]: 2
In [58]: t.index(6)
Out[58]: 2
In [60]: d={}
        type(d)
Out[60]: dict
In [61]: d={1:2,2:4}
Out[61]: {1: 2, 2: 4}
In [62]: d={'A':[2,3,4],'B':(1,10,11)}
Out[62]: {'A': [2, 3, 4], 'B': (1, 10, 11)}
In [63]: d={10.5:30.4,20.5:60.7}
Out[63]: {10.5: 30.4, 20.5: 60.7}
In [67]: d={10.4:20.3,'A':(2,6)}
Out[67]: 2
Out[70]: 4
In [71]: d
Out[71]: {'A': {'a': 10, 'b': [2, 8, 9]}, 'B': 20,
         'C': (2, 6, 7),
'D': [[2, 8], [20, 90]]}
Out[72]: {'a': 10, 'b': 20}
In [73]: 1[-6]
Out[73]: {'a': 10, 'b': 20}
In [74]: t=({'a':10,'b':20},[2,4,5],(3,7,8),10,10.5,"agfghfhjgjkhkj")
t[0]
Out[74]: {'a': 10, 'b': 20}
In [75]: t[-6]
Out[75]: {'a': 10, 'b': 20}
In [76]: t[-3]
Out[76]: 10
```

In [77]: [t-5]
Out[77]: [2, 4, 5]
In []: