

```
In [1]: tup1 =()
```

```
In [3]: tup2 =(1,4,6)
```

```
In [4]: tup3 =(2.4,4.9,9.8)
```

```
In [5]: tup4 =( 'anu', 'priya', 'mouni')
```

```
In [6]: tup5=( 'priya', 24, (30,40), (50,60))
```

```
In [7]: tup6=(90, 'priya', 9.87)
```

```
In [8]: tup7=( 'priya', 24, [30,40], [50,60], { 'Mouni', 'Mahesh' }, (7,8,9))
```

```
In [9]: len(tup7)
```

```
Out[9]: 6
```

```
In [10]: tup2[0]
```

```
Out[10]: 1
```

```
In [11]: tup4[0]
```

```
Out[11]: 'anu'
```

```
In [12]: tup4[0][0]
```

```
Out[12]: 'a'
```

```
In [13]: tup4[-1]
```

```
Out[13]: 'mouni'
```

```
In [14]: tup5[-1]
```

```
Out[14]: (50, 60)
```

```
In [15]: mytuple=('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')
```

```
In [16]: mytuple[0:3]
```

```
Out[16]: ('one', 'two', 'three')
```

```
In [17]: mytuple[2:5]
```

```
Out[17]: ('three', 'four', 'five')
```

```
In [18]: mytuple[:3]
```

```
Out[18]: ('one', 'two', 'three')
```

```
In [19]: mytuple[:2]
```

```
Out[19]: ('one', 'two')
```

```
In [20]: mytuple[-3:]
```

```
Out[20]: ('six', 'seven', 'eight')
```

```
In [21]: mytuple[-2:]
```

```
Out[21]: ('seven', 'eight')
```

```
In [22]: mytuple[-1:]
```

```
Out[22]: ('eight',)
```

```
In [23]: mytuple[:]
```

```
Out[23]: ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')
```

```
In [24]: mytuple
```

```
Out[24]: ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')
```

```
In [25]: del mytuple[0]
```

```
-----  
TypeError                                Traceback (most recent call last)  
Cell In[25], line 1  
----> 1 del mytuple[0]  
  
TypeError: 'tuple' object doesn't support item deletion
```

```
In [26]: mytuple[0]=1
```

```
-----  
TypeError                                Traceback (most recent call last)  
Cell In[26], line 1  
----> 1 mytuple[0]=1  
  
TypeError: 'tuple' object does not support item assignment
```

```
In [27]: del mytuple
```

```
In [29]: mytuple=('one','two','three','four','five','six','seven','eight')
```

```
In [30]: mytuple
```

```
Out[30]: ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')
```

```
In [31]: for i in mytuple:  
         print(i)
```

```
one  
two  
three  
four  
five  
six  
seven  
eight
```

```
In [33]: for i in enumerate(mytuple):  
         print(i)
```

```
(0, 'one')  
(1, 'two')  
(2, 'three')  
(3, 'four')  
(4, 'five')  
(5, 'six')  
(6, 'seven')  
(7, 'eight')
```

```
In [34]: mytuple
```

```
Out[34]: ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')
```

```
In [35]: 'one' in mytuple
```

```
Out[35]: True
```

```
In [37]: 'ten' in mytuple
```

```
Out[37]: False
```

```
In [38]: if 'three' in mytuple:  
         print('three is present in mytuple')  
     else:  
         print('three is not present in mytuple')
```

```
three is present in mytuple
```

```
In [39]: if 'nine' in mytuple:  
         print('nine is present in mytuple')  
     else:  
         print('nine is not present in mytuple')
```

```
nine is not present in mytuple
```

```
In [40]: mytuple
```

```
Out[40]: ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')
```

```
In [41]: mytuple.index('one')
```

```
Out[41]: 0
```

```
In [42]: mytuple.index('five')
```

```
Out[42]: 4
```

```
In [43]: mytuple1=('apple','bat','cat','doll')
```

```
In [44]: mytuple1
```

```
Out[44]: ('apple', 'bat', 'cat', 'doll')
```

```
In [46]: mytuple1.index('cat')
```

```
Out[46]: 2
```

```
In [47]: mytuple2=(1,4,2,44,32,86,68)
```

```
In [48]: mytuple2
```

```
Out[48]: (1, 4, 2, 44, 32, 86, 68)
```

```
In [49]: sorted(mytuple2)
```

```
Out[49]: [1, 2, 4, 32, 44, 68, 86]
```

```
In [50]: sorted(mytuple2,reverse=True)
```

```
Out[50]: [86, 68, 44, 32, 4, 2, 1]
```

```
In [ ]:
```