```
In [2]: t=()
        t
```

Out[2]: ()

```
In [3]: type(t)
```

Out[3]: tuple

```
In [4]: t1=(10,20,30)
        t1
```

Out[4]: (10, 20, 30)

```
In [5]: t2=(3.2,5.1,67.23)
        t2
```

Out[5]: (3.2, 5.1, 67.23)

```
In [6]: t3=('one','two','three')
        t3
```

Out[6]: ('one', 'two', 'three')

```
In [7]: t4=('aaa',23,(23,12),(13,62))
        t4
```

Out[7]: ('aaa', 23, (23, 12), (13, 62))

```
In [8]: t5=(60,'one',38.63)
        t5
```

Out[8]: (60, 'one', 38.63)

```
In [ ]: len(t1)
```

Out[ ]: 3

```
In [10]: t1
```

Out[10]: (10, 20, 30)

```
In [11]: t1[1]
```

Out[11]: 20

```
In [12]: t3
```

Out[12]: ('one', 'two', 'three')

```
In [13]:  t3[1][1]

Out[13]:  'w'

In [14]:  t3[-1]

Out[14]:  'three'

In [15]:  t4

Out[15]:  ('aaa', 23, (23, 12), (13, 62))

In [16]:  t4[2][0]

Out[16]:  23

In [17]:  t4[-1]

Out[17]:  (13, 62)

In [20]:  t9=('one','two','three','four','five','six','seven','eight','nine')
          t9

Out[20]:  ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight', 'nine')

In [21]:  t9[2:5]

Out[21]:  ('three', 'four', 'five')

In [22]:  t9[:6]

Out[22]:  ('one', 'two', 'three', 'four', 'five', 'six')

In [24]:  t9[:]

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

In [25]:  t9[-1]

Out[25]:  'nine'

In [26]:  t9[-3:]

Out[26]:  ('seven', 'eight', 'nine')

In [30]:  t9.count(42)

Out[30]:  0

In [31]:  t9.count('one')
```

```
Out[31]: 1
```

```
In [32]: t9.remove('one')
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In[32], line 1
----> 1 t9.remove('one')

AttributeError: 'tuple' object has no attribute 'remove'
```

```
In [33]: t9.index('five')
```

```
Out[33]: 4
```

```
In [34]: del t9[4]
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[34], line 1
----> 1 del t9[4]

TypeError: 'tuple' object doesn't support item deletion
```

```
In [35]: t3
```

```
Out[35]: ('one', 'two', 'three')
```

```
In [ ]: del t3
```

```
In [37]: t3
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[37], line 1
----> 1 t3

NameError: name 't3' is not defined
```

```
In [38]: t9
```

```
Out[38]: ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight', 'nine')
```

```
In [39]: t1
```

```
Out[39]: (10, 20, 30)
```

```
In [42]: t10=t1*3
         t10
```

```
Out[42]: (10, 20, 30, 10, 20, 30, 10, 20, 30)
```

```
In [43]: t10.count(10)

Out[43]: 3

In [44]: t9

Out[44]: ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight', 'nine')

In [49]: t9

Out[49]: ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight', 'nine')

In [50]: for i in t9:
             print(i)

one
two
three
four
five
six
seven
eight
nine

In [51]: for i in enumerate(t9):
             print(i)

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

In [58]: t11=(23,2,56,37,81,25,38,71,12)
         t11

Out[58]: (23, 2, 56, 37, 81, 25, 38, 71, 12)

In [59]: sorted(t11)

Out[59]: [2, 12, 23, 25, 37, 38, 56, 71, 81]

In [60]: sorted(t11,reverse=True)

Out[60]: [81, 71, 56, 38, 37, 25, 23, 12, 2]
```