```
In [2]:  tup1 = ()
         tup1
```

Out[2]: ()

```
In [3]:  tup2 = (20, 40, 60)
         tup2
```

Out[3]: (20, 40, 60)

```
In [4]:  tup3 = (10.7, 23.1, 34.0)
         tup3
```

Out[4]: (10.7, 23.1, 34.0)

```
In [5]:  tup4 = ('one', 'two', 'three')
         tup4
```

Out[5]: ('one', 'two', 'three')

```
In [6]:  tup5 = ('dellip', 33, (50,30))
```

```
In [7]:  tup5
```

Out[7]: ('dellip', 33, (50, 30))

```
In [8]:  tup6 = (31, 'sai', 12.27)
         tup6
```

Out[8]: (31, 'sai', 12.27)

```
In [9]:  tup7 = ('dellip', 33, [50,30],[92,94],{'sai', 'priya'}, (27,12,33))
```

```
In [10]:  tup7
```

Out[10]: ('dellip', 33, [50, 30], [92, 94], {'priya', 'sai'}, (27, 12, 33))

```
In [11]:  len(tup7)
```

Out[11]: 6

```
In [12]:  tup2[0]
```

Out[12]: 20

```
In [13]:  tup4[0]
```

Out[13]: 'one'

```
In [14]:  tup4[0][0]
```

Out[14]: 'o'

```
In [15]:  tup4[-1]
```

Out[15]: 'three'

In [16]: `tup5[-1]`

Out[16]: (50, 30)

In [17]: ```
mytuple = ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')
mytuple
```

Out[17]:  ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')

In [18]:  `mytuple[0:3]`

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

In [19]:  `mytuple[2:5]`

Out[19]:  ('three', 'four', 'five')

In [20]:  `mytuple[:2]`

Out[20]:  ('one', 'two')

In [21]:  `mytuple[:3]`

Out[21]:  ('one', 'two', 'three')

In [22]:  `mytuple[-3:]`

Out[22]:  ('six', 'seven', 'eight')

In [23]:  `mytuple[-2:]`

Out[23]:  ('seven', 'eight')

In [24]:  `mytuple[-1:]`

Out[24]:  ('eight',)

In [25]:  `mytuple[:]`

Out[25]:  ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')

In [26]:  `del mytuple[0]`

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[26], line 1
----> 1 del mytuple[0]

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

In [27]: `mytuple[0]=1`

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[27], line 1
----> 1 mytuple[0]=1

TypeError: 'tuple' object does not support item assignment
```

In [28]: `del mytuple`

In [29]: `mytuple`

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[29], line 1
----> 1 mytuple

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

In [34]:
```python
mytuple = ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')
mytuple
```

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

In [35]:
```python
for i in  mytuple:
    print(i)
```

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

In [36]:
```python
for i in enumerate(mytuple):
    print(i)
```

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

In [37]: `mytuple`

Out[37]: `('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')`

In [38]: `'one' in mytuple`

Out[38]: `True`

In [39]: `'ten' in mytuple`

Out[39]: `False`

In [40]:
```python
if 'three' in mytuple:
    print(' three is present in tuple')
else:
    print(' three is not present in tuple')
```

three is present in tuple

In [41]:
```python
if 'nine' in mytuple:
    print(' nine is present in tuple')
else:
    print(' nine is not present in tuple')
```

nine is not present in tuple

In [42]:
```python
mytuple
```

Out[42]: ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')

In [43]:
```python
mytuple.index('one')
```

Out[43]: 0

In [44]:
```python
mytuple.index('five')
```

Out[44]: 4

In [46]:
```python
mytuple1 = ('sai', 'priya', 'sunny', 'anu')
mytuple1
```

Out[46]: ('sai', 'priya', 'sunny', 'anu')

In [48]:
```python
mytuple1.index('sai')
```

Out[48]: 0

In [49]:
```python
mytuple2 = (1,4,2,44,32,86,68)
mytuple2
```

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

In [50]:
```python
sorted(mytuple2)
```

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

In [51]:
```python
sorted(mytuple2, reverse = True)
```

Out[51]: [86, 68, 44, 32, 4, 2, 1]

In [ ]: