```
tup2 = (10,30,60) # tuple of integers numbers
tup3 = (10.77, 30.66, 60.89) # tuple of float numbers
tup4 = ('one','two' , "three") # tuple of strings
tup5 = ('Asif', 25 ,(50, 100),(150, 90)) # Nested tuples
tup6 = (100, 'Asif', 17.765) # Tuple of mixed data types
\label{tup7 = ('Asif', 25, [50, 100], [150, 90], {'John', 'David'}, (99,22,33))} \\
tup1 ,tup2,tup3,tup4
((), (10, 30, 60), (10.77, 30.66, 60.89), ('one', 'two', 'three'))
tup5
('Asif', 25, (50, 100), (150, 90))
tup6 ,tup7
→ ((100, 'Asif', 17.765),
      ('Asif', 25, [50, 100], [150, 90], {'David', 'John'}, (99, 22, 33)))
len(tup7) #Length of list
→ 6
tup2[0] # Retreive first element of the tuple
→ 10
tup4[0][0] # Nested indexing - Access the first character of the first tuple ele
tup5[-1] # Last item of the tuple
→ (150, 90)
tup4[0] # Retreive first element of the tuple
→ 'one'
tup4[-1] # Last item of the tup
→ 'three'
mytuple = ('one' , 'two' , 'three' , 'four' , 'five' , 'six' , 'seven' , 'eight')
```

tup1 = () # Empty tuple

```
mytuple[0:3]
('one', 'two', 'three')
mytuple[2:5] # List all items from 2nd to 5th index location excluding the item
('three', 'four', 'five')
mytuple[:3] # Return first three items
('one', 'two', 'three')
mytuple[:2] # Return first two items
→ ('one', 'two')
mytuple[-3:] # Return last three items
→ ('six', 'seven', 'eight')
mytuple[-2:] # Return last two items
→ ('seven', 'eight')
mytuple[-1] # Return last item of the tuple
     'eiøht'
mytuple[:]
→ ('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')
mytuple
('one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight')
mytuple[0] = 1
     TypeError
                                              Traceback (most recent call last)
     <ipython-input-26-4cf492702bfd> in <cell line: 0>()
     ----> 1 mytuple[0] = 1
     TypeError: 'tuple' object does not support item assignment
 Next steps: ( Explain error
del mytuple[0]
₹
     TypeError
                                              Traceback (most recent call last)
     <ipython-input-25-667a276aa503> in <cell line: 0>()
     ----> 1 del mytuple[0]
     TypeError: 'tuple' object doesn't support item deletion
 Next steps: ( Explain error
```

```
mytuple=('one','two','three''four')
mytuple.index('one')
→ 0
Start coding or generate with AI.
mytuple
→ ('one', 'two', 'threefour')
for i in mytuple:
    print(i)
→ one
     two
     threefour
mytuple2 = (43,67,99,12,6,90,67)
sorted(mytuple2) # display orted order
→ [6, 12, 43, 67, 67, 90, 99]
mytuple2
→ (43, 67, 99, 12, 6, 90, 67)
sorted(mytuple2, reverse=True)
→ [99, 90, 67, 67, 43, 12, 6]
mytuple2.count(48)
→ 0
for i in enumerate(mytuple):
    print(i)
→ (0, 'one')
(1, 'two')
(2, 'threefour')
'one' in mytuple
→ True
```