```
In [1]: tuple=()
 In [3]: tuple
 Out[3]: ()
 In [5]: type(tuple)
 Out[5]: tuple
 In [7]: t1=(89,30.4,'nit',2+5j)
 Out[7]: (89, 30.4, 'nit', (2+5j))
 In [9]: t2=(23,66,'hi',(60,89),(78,23),'sky')
 Out[9]: (23, 66, 'hi', (60, 89), (78, 23), 'sky')
In [11]: t2[4]
Out[11]: (78, 23)
In [13]: t3=('manu',37,[45,87],{'hey','siri'})
Out[13]: ('manu', 37, [45, 87], {'hey', 'siri'})
In [15]: t3[5]
        IndexError
                                                 Traceback (most recent call last)
        Cell In[15], line 1
        ----> 1 t3[5]
       IndexError: tuple index out of range
In [17]: t3[3]
Out[17]: {'hey', 'siri'}
In [20]: t1
Out[20]: (89, 30.4, 'nit', (2+5j))
In [24]: |t1[2][0]
Out[24]: 'n'
In [26]: t1[2][1]
```

```
Out[26]: 'i'
In [28]: t1[2][2]
Out[28]: 't'
In [30]: t2
Out[30]: (23, 66, 'hi', (60, 89), (78, 23), 'sky')
In [32]: t2[-3]
Out[32]: (60, 89)
In [34]: len(t2)
Out[34]: 6
In [36]: len(t1)
Out[36]: 4
In [38]: len(t3)
Out[38]: 4
In [40]: t1
Out[40]: (89, 30.4, 'nit', (2+5j))
In [42]: t2
Out[42]: (23, 66, 'hi', (60, 89), (78, 23), 'sky')
In [44]: t3
Out[44]: ('manu', 37, [45, 87], {'hey', 'siri'})
In [46]: t2[:]
Out[46]: (23, 66, 'hi', (60, 89), (78, 23), 'sky')
In [48]: t2[2:5]
Out[48]: ('hi', (60, 89), (78, 23))
In [50]: t1[2:4]
Out[50]: ('nit', (2+5j))
In [52]: t1.count(t1)
```

```
Out[52]: 0
In [56]: t1.count(30.4)
Out[56]: 1
In [62]: t2.count('hi')
Out[62]: 1
In [64]: for i in t2:
            print(i)
        23
        66
        hi
        (60, 89)
        (78, 23)
        sky
In [66]: sorted(t2)
        TypeError
                                                  Traceback (most recent call last)
        Cell In[66], line 1
        ----> 1 sorted(t2)
       TypeError: '<' not supported between instances of 'str' and 'int'</pre>
In [72]: t4=('sri', 'manu', 'sha')
Out[72]: ('sri', 'manu', 'sha')
In [74]: sorted(t4)
Out[74]: ['manu', 'sha', 'sri']
In [76]: if 'sha' in t4:
            print('yes')
         else:
             print('no')
        yes
In [78]: if 'shi' in t4:
            print('yes')
         else:
             print('no')
        no
In [80]: t1
Out[80]: (89, 30.4, 'nit', (2+5j))
```