```
In [1]: x = ('Glenn', 'Sally', 'Joseph')
           print(x[2])
           Joseph
 In [2]: y = (1, 9, 2)
           print(y)
           (1, 9, 2)
 In [3]: print(max(y))
           9
 In [4]: | 1 = list()
           dir(l)
 Out[4]: ['__add__',
'__class__',
            ___contains__',
'__delattr__',
            '__delitem__',
            '__dir__',
'__doc__',
'__eq__',
            '__format__',
' ge ',
              __ge__',
            '__getattribute__',
'__getitem__',
'__getstate__',
'__gt__',
            '__gt__',
'__hash__',
'__iadd__',
            '__imul__',
            '__init__'
            ____,
'__init_subclass__',
'__iter__',
            '__le__',
'__len__',
            '__lt__',
'__mul__',
            '__ne__',
'__new__',
            '__reduce__',
            '__reduce_ex__',
            '__repr__',
            '__reversed__',
            '__rmul__',
            '__setattr__',
            __setitem__',
            '__sizeof__',
            '__str__',
            '__subclasshook__',
            'append',
            'clear',
            'copy',
            'count',
            'extend',
            'index',
            'insert',
            'pop',
            'remove'
            'reverse',
            'sort']
 In [5]: t = tuple()
           dir(t)
 '__class_getitem__',
            ___contains__',
'__delattr__',
            '__dir__',
'__doc__',
'__eq__',
            '__format__',
            ___ge__',
              __getattribute__',
            __getaterisate__
'__getitem__',
'__getnewargs__',
'__getstate__',
'__gt__',
'__hash__',
'__init__',
            '__init_subclass__',
            '__iter__',
            '__le__',
            '__len__',
            '__lt__',
            '__mul__',
            '__ne__',
            '__new__',
            '__reduce__',
            ___reduce_ex__',
            ___repr__',
'__rmul__',
            '__setattr__',
'__sizeof__',
            '__str__',
            '__subclasshook__',
            'count',
            'index']
 In [6]: (x, y) = (4, 'fred')
           print(y)
           fred
 In [7]: (a, b) = (99, 98)
           print(a)
 In [8]: d = dict()
           d['csev'] = 2
           d['cwen'] = 4
           for (k,v) in d.items():
               print(k, v)
           csev 2
           cwen 4
 In [9]: tups = d.items()
           print(tups)
           dict_items([('csev', 2), ('cwen', 4)])
In [10]: (0, 1, 2) < (5, 1, 2)
Out[10]: True
In [11]: (0, 1, 2000000) < (0, 3, 4)
Out[11]: True
In [12]: ( 'Jones', 'Sally' ) < ('Jones', 'Sam')</pre>
Out[12]: True
In [13]: ( 'Jones', 'Sally') > ('Adams', 'Sam')
Out[13]: True
In [14]: d= {'a':10, 'b':1, 'c':22}
        d.items()
Out[14]: dict_items([('a', 10), ('b', 1), ('c', 22)])
In [15]: sorted(d.items())
Out[15]: [('a', 10), ('b', 1), ('c', 22)]
In [16]: d = {'a':10, 'b':1, 'c':22}
           t = sorted(d.items())
Out[16]: [('a', 10), ('b', 1), ('c', 22)]
In [17]: for k, v in sorted(d.items()):
               print(k, v)
           a 10
           b 1
           c 22
In [18]: c = {'a':10, 'b':1, 'c':22}
           tmp = list()
           for k, v in c.items() :
               tmp.append((v, k))
               print(tmp)
           [(10, 'a')]
           [(10, 'a'), (1, 'b')]
[(10, 'a'), (1, 'b'), (22, 'c')]
In [19]: tmp = sorted(tmp, reverse=True)
           print(tmp)
           [(22, 'c'), (10, 'a'), (1, 'b')]
In [20]: c = {'a':10, 'b':1, 'c':22}
           print( sorted( [ (v,k) for k,v in c.items() ] ) )
           [(1, 'b'), (10, 'a'), (22, 'c')]
```