```
Tuples
# A TUPLE is an ordered collection of items, enclosed in '(' and ')',
# and is very similar to a LIST except that its items cannot be changed.
# Tuples are appropriate for conveying and ensuring the immutability of data,
# they can be implemented a little more efficiently than lists, and they can
# be used in some situations where lists can not (e.g. dictionary keys).
>>> t1 = ( )
                                         # empty tuple
>>> t2 = (5, )
                                        # one-item tuple; note the ','
>>> t3 = ( "Ann", 23, True, [ 5, 7, 4 ] ) # four-item tuple
>>> t4 = ( "Ann", True, 23, [ 5, 7, 4 ] ) # four-item tuple
>>> t3 == t4
                                          # order matters
False
>>> len( t1 )
                                        # just like a list
>>> len( t3 )
>>> for item in t3 :
                                      # just like a list
     print(e)
>>>
Ann
23
True
[5, 7, 4]
>>> t3[1]
                                         # just like a list
23
>>> t3[3][1]
                                         # just like a list
>>> t2 += (8, 3, 6)
                                         # just like a list
>>> t2
(5, 8, 3, 6)
>>> 8 in t2
                                         # just like a list
True
>>> 7 in t2
False
>>> t2[3] = 7
                                          # cannot change items in a tuple
Traceback (most recent call last):
File "<stdin>", line 1, IN <module>
TypeError: 'tuple' object does NOT support item assignment
```