Tuples

Tuples

- Tuples are easy: they are simply immutable lists.

- They are designated with a comma:
  - Not the parenthesis!

```
myTuple = (1,'a',3.14,True)
newTuple = (,) #Empty tuple (mind the comma)
anotherTuple = 2,3  #Tuple without parenthesis
```

The Question is, Why?

- The real question is, why have an immutable list, a tuple, as a separate type?

- An immutable list gives you a data structure with some integrity - that you cannot accidentally change.

Lists and Tuples

- Everything that works with a list works with a tuple **except** methods that modify the list/tuple.

- Thus indexing, slicing, len, print all work as expected.

- However, none of the mutable methods work: append, extend, remove.