

# Tuples

☰ Chapter No.	9
▼ Status	Completed

- ▼ Tuple is another data types that is [similar to a list](#)
  - ▼ They are represented by [comma-delimited values enclosed in round brackets](#)
    - E.g. (1, "a", True)
  - ▼ However, lists are [mutable](#) while tuples are [immutable](#)
    - You can add, remove or edit the elements in a [list](#)
    - You cannot add, remove or edit any elements in a [tuple](#)
- ▼ Common Tuple Methods
  - ▼ len(tup)
    - Returns the length of the tuple
  - ▼ tup.count(x)
    - Returns the number of times the value x occurs in the tuple
  - ▼ tup.index(x)
    - Returns the index of the first occurrence of an the value x in the tuple
  - ▼ max(tup)
    - Returns the item with the maximum value in the tuple
  - ▼ min(tup)
    - Returns the item with the minimum value in the tuple
- ▼ Uses of Tuples
  - Tuples make code [safer](#)

- Using a tuple instead of a list is akin to implying that the data stored is [constant](#)
- A user [cannot accidentally modify the elements](#) in a tuple because tuples are immutable