Tuples

- A Tuple is an ordered collection of unchangeable elements that can be of different types

- A Tuple is created with or without round brackets (tuple packing)

  $tuple1 = (5, 3, 9)$
  $tuple2 = 7, 2, 4$

- The reverse is also possible (sequence unpacking)

  $x, y, z = tuple1$

- A Tuple can be created with a constructor

  $newtuple = tuple(("antonio", "luisa"))$

- Create an empty and a one element Tuple

  $empty = ()$ $one = ("antonio",)$

- Tuple elements can be accessed using indexes inside square brackets as in Lists

- Number of elements in the Tuple $len(tuple1)$

- Join two Tuples $tuple3 = tuple1 + tuple2$

- Delete a Tuple $del\ tuple1$

- Tuple built-in methods:
  tuple.index(value)   Returns the index of the first element with the specified value
  tuple.count(value)   Returns the number of elements with the specified value

- Check if an element exists in a Tuple   if 9 **in** tuple1 :
  print("9 is in the tuple")