Tuple in Python ( )

Tuple is a collection similar to Python List. Primary difference is that we cannot modify a tuple once its created.

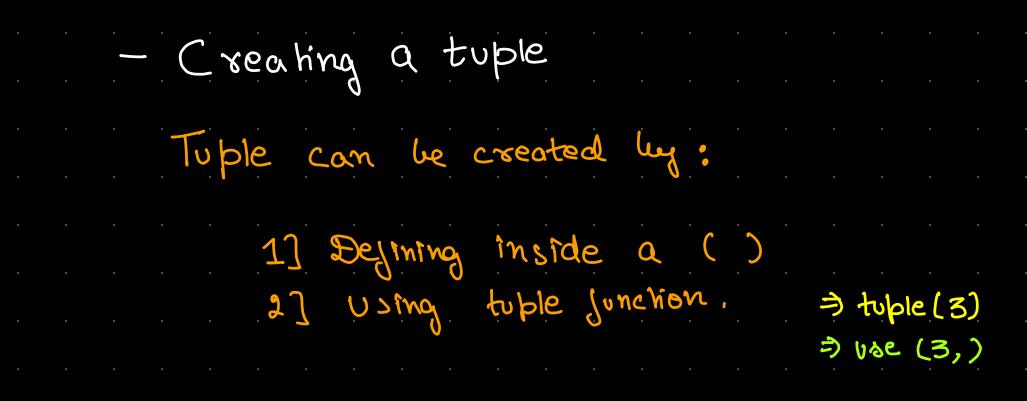Tuple are created by using ( ).

Tuple Characterishc

Ordered
Allow Duplicates
heterogenous
Immutable : They cannot be changed after
creation

$t1 = (1, 2, 3)$

$t2 = ('hello', 'python')$

– Creating a tuple

Tuple can be created by :

    1] Defining inside a ( )
    2] Using tuple function.   ⇒ tuple(3)
                                 ⇒ use (3,)

– Accessing Tuple

    – As tuple too are sequence , they
    support indexing and slicing.

— Tuple Operation

1. Concatenation: t1 + t2
2. Repeattion;   t1 * 3
3. Membership: If 'apple' in fruits
4. Iterable :   for ele in t1

— Modifying Tuple

⇒ not possible as immutable

Tuple also store reference of objects.

Packing and Unpacking of tuple.

$$a, b, c = (1, 2, 3)$$

$$a = 1 \qquad b = 2 \qquad c = 3$$