



W7 PCRS

Tuple

- ↳ Immutable sequences
- ↳ Slicing a tuple creates a tuple

```
>>> tup = ('a', 3, -0.2)
>>> tup[:2]
('a', 3)
>>> tup[1:3]
(3, -0.2)
```
- ↳ Assigning to tuple produces an assignment error.
- ↳ `(1)` returns `1`
- ↳ `(1,)` creates one element tuple.
- ↳ `()` empty tuple.
- ↳ The following operations are allowed:

```
>>> my_tuple = (5, 4)
>>> my_tuple = my_tuple + (5, 4, 3)
>>> my_tuple = (3, 1)
```

Type Dict

- ↳ Dictionaries are mutable
- ↳ `del` operator removes dictionary key and its value.

```
>>> del dict_1['key']
```
- ↳ `{}` empty dict
- ↳ Keys can be str or int.
- ↳ Keys are and must be immutable
 - ↳ list cannot be key, but tuples can.
- ↳ Last occurrence of duplicate keys will not be discarded.

```
>>> dict_1 = {1:30, 1:20, 1:40}
>>> print(dict_1)
{1:40}
```