Tuple

- **tuples items are enclosed in parentheses ()**
- **you can remove the parentheses if you want**
- **tuples are ordered, use index to access its elements**
- **tuples are immutable → you can't add, update, or delete**
- **tuples items are not unique**
- **tuples can have different data types**

```python
admins = ("osama", "mohamed")
admin_names = "osama", "mohamed"
admin = "osama",

print(type(admins))          # <class 'tuple'>
print(type(admin))           # <class 'tuple'>
print(type(admin_names))     # <class 'tuple'>
```

Tuples Methods

✚ Tuple repeat
  o **Repeat the tuple at specific number**

```python
admins = ("osama", "mohamed")

# tuple repeat
print(admins * 3)      # ('osama', 'mohamed', 'osama', 'mohamed', 'osama',
'mohamed')
```

✚ count()
  o **calculate how many of value exist on the tuple**

```python
numbers = (1, 2, 3, 4, 1, 2, 33, 3)
print(numbers.count(3))     # 2

# if the value is not exist will return 0
print(numbers.count(56))        # 0
```

✚ index()
  o **used to print the index of specific value**
  o **make error if the value not exist on the tuple**

```python
numbers = (1, 2, 3, 4, 1, 2, 33, 3)
print(numbers.index(1))     # 0
print(numbers.index(33))    # 6
print(numbers.index(5))     # will make error, the value is not exist on tuple
```