

# Programming

## Lesson 24 - Privacy

## الدرس 24 - الخصوصية

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# Class

Consists:

- ▶ Members
- ▶ Methods

Class can be inherited.

```
class Person:
    def __init__(self, first_name, last_name, age):
        self.firstName = first_name
        self.lastName = last_name
        self.age = age

    def set_last_name(self, val):
        self.lastName = val

    def get_age(self):
        return self.age
```

members

methods

# Privacy

- ▶ Private: accessed by class **only**
- ▶ Protected: accessed by class or child classes
- ▶ Public: accessed by all

# Why & When ?

- ▶ Members checkers

- ▶ Age : > 0 and < 150 and int

```
def set_age(age):  
    if type(age) is int and age > 0 and age < 150:  
        print('Age is ok')  
    else:  
        print('Not acceptable')
```

- ▶ Private data

# How?

- ▶ 2 \_ → private
  - ▶ self.\_\_age
  - ▶ def \_\_calculate\_avg(self)
- ▶ 1 \_ → protected
  - ▶ self.\_name
- ▶ No \_ → public
  - ▶ self.address

```
class Person:  
    def __init__(self, first_name, last_name, age):  
        self.__firstName = first_name } private  
        self._lastName = last_name } protected  
        self.age = age } public
```

“

Thank you 😊!

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Stay tuned for more!