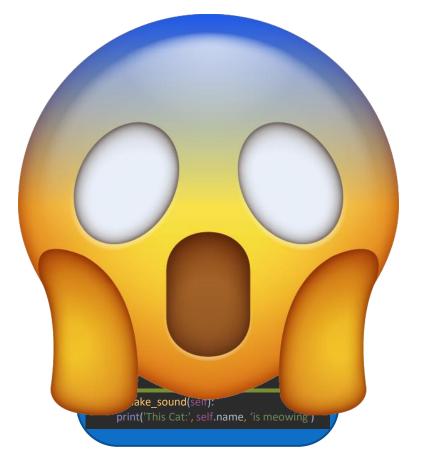
Programming

Lesson 22 - Inheritance الدرس 22 - الوراثه

Saeed Isa

Why?

Dog class Dog: def __init__(self, name, age, color): self.age = age def get_name(self): def make_sound(self):



Horse class Horse: def __init__(self, name, age, color): self.name = name self.age = age def get_name(self): def make_sound(self):



@saeedisa90

Inheritance

Animal

```
class Animal:
    def __init__(self, name, age, color):
        self.name = name
        self.age = age
        self.color = color

    def get_name(self):
        return self.name

    def make_sound(self):
        print('This Animal:', self.name, 'w no sound')
```

class Dog(Animal): def make_sound(self): print(This Dog: self.name, is barking')

Cat

class Cat(Animal):
 def make_sound(self):
 print('This Cat:', self.name, 'is meowing')

Horse

class Horse(Animal):
 def make_sound(self):
 print('This Horse:', self.name, 'is neighing')

saeed.isa@gmail.com @saeedisa90

super

class Cat(Animal): def make_sound(self, num): super().make_sound() print('This cat:', self.name, 'is meowing' * num)

Super() will call parent class

saeed.isa@gmail.com @saeedisa90 4

super

Animal instantiated with: def __init__(self, name, age, color):

Cat:
 def __init__(self, name, age, color, eyes_color):

Animal

```
class Animal:
    def __init__(self, name, age, color):
        self.name = name
        self.age = age
        self.color = color

    def get_name(self):
        return self.name

    def make_sound(self):
        print('This Animal:', self.name, 'w no sound')
```

Cat

```
class Cat:
    def _ init _ (self, name, age, color eyes color):
        super(). _ init _ (name, age, color)
        self.eyes_color = eyes_color
```

saeed.isa@gmail.com @saeedisa90 5

Let's go...

- Open PyCharm:
 - ► Start coding ©

saeed.isa@gmail.com @saeedisa90



Thank you ©!

Stay tuned for more!

"

saeed.isa@gmail.com @saeedisa90 7