Lecture





Getters + Setters

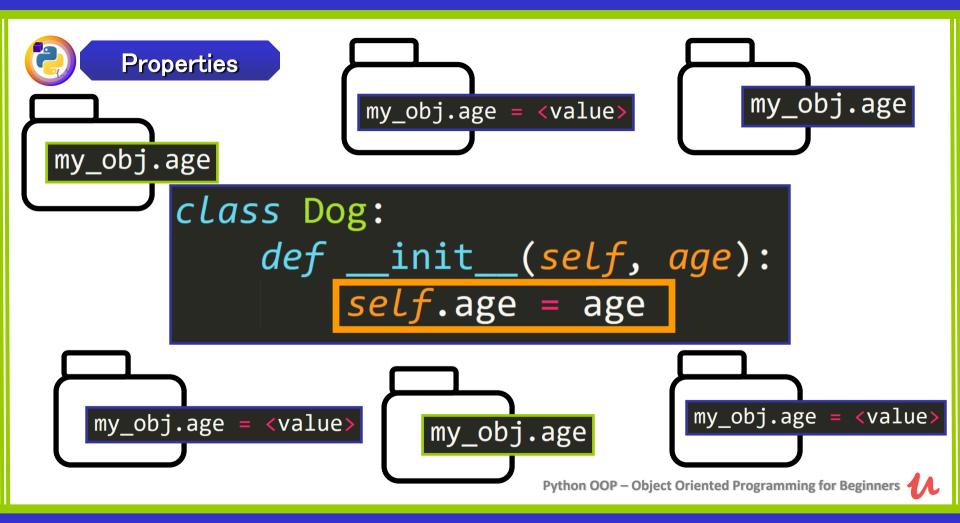






Attributes + Getters + Setters

```
class Dog:
    def __init__(self, age):
        self.age = age
```





Validate the age



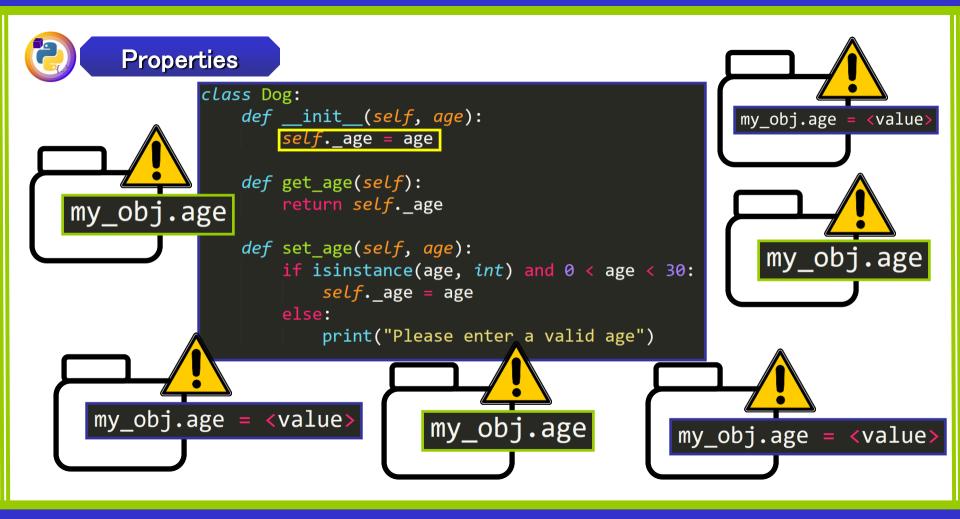


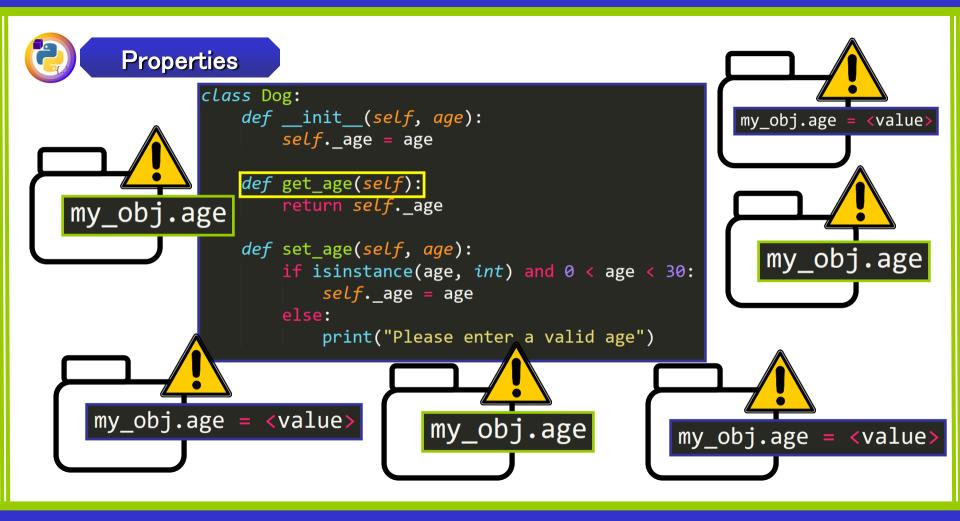


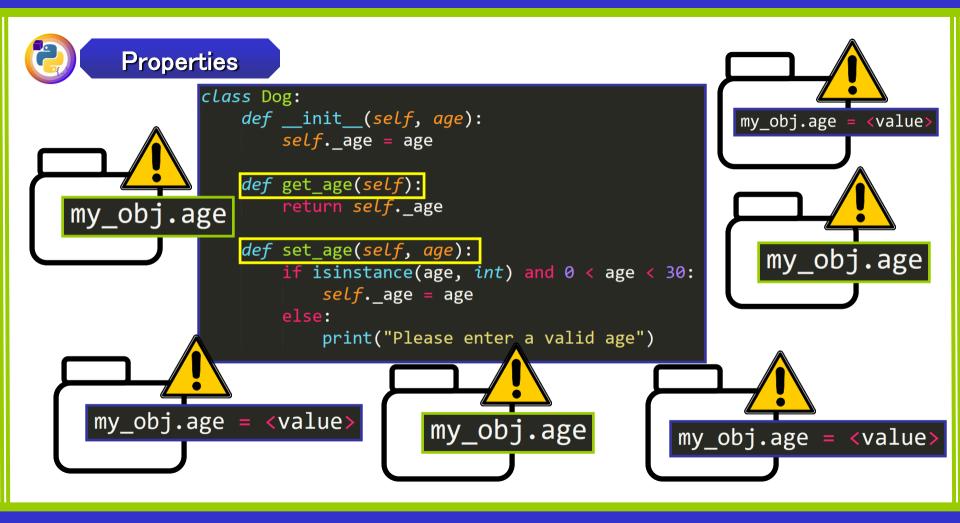
Protected + Getters + Setters



```
Properties
            class Dog:
                def _ init (self, age):
                                                              my_obj.age = <value>
                    self. age = age
                def get_age(self):
                    return self. age
my_obj.age
                def set age(self, age):
                    if isinstance(age, int) and 0 < age < 30:</pre>
                                                                 my_obj.age
                       self. age = age
                    else:
                       print("Please enter a valid age")
  my_obj.age = <value>
                                 my_obj.age
                                                        my_obj.age = <value>
```















```
class Dog:
    def init (self, age):
        self. age = age
    def get age(self):
        print("Running getter")
        return self. age
    def set age(self, age):
        print("Running setter")
        if isinstance(age, int) and 0 < age < 30:</pre>
            self. age = age
        else:
            print("Please enter a valid age")
    age = property(get_age, set_age)
```

```
class Dog:
    def init (self, age):
        self. age = age
   def get age(self):
        print("Running getter")
        return self. age
    def set age(self, age):
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```



age = property(get_age, set_age)



Name of the property

age = property(get_age, set_age)

Built-in Function



```
age = property(get_age, set_age)
```





```
age = property(get_age, set_age)
```





age = property(get_age, set_age)



```
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        self. age = age
   def get_age(self):
        print("Running getter")
        return self. age
    def set age(self, age):
        print("Running setter")
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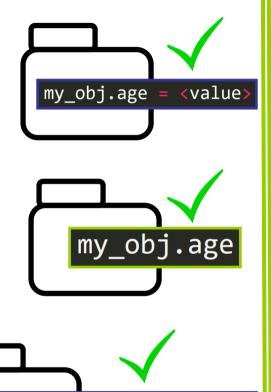


```
class Dog:
    def init (self, age):
        self. age = age
    def get age(self):
        print("Running getter")
        return self. age
   def set_age(self, age):
        print("Running setter")
        if isinstance(age, int) and 0 < age < 30:</pre>
            self. age = age
        else:
            print("Please enter a valid age")
    age = property(get_age, set_age)
```





```
class Dog:
    def init (self, age):
        self._age = age
    def get_age(self):
        print("Running getter")
        return self._age
    def set_age(self, age):
        print("Running setter")
        if isinstance(age, int) and 0 < age < 30:</pre>
            self. age = age
            print("Please enter a valid age")
    age = property(get_age, set_age)
```



my_obj.age = <value>

my_obj.age

my_obj.age = <value>

my_obj.age

def get_age(self):

```
my_obj.age = <value>
```

```
def set_age(self, age):
```

```
my_obj.age = <value>

def set_age(self, age):
```

age = property(get_age, set_age)



@property





