

Full stack web development using python

Types of methods



Saurabh Shukla (MySirG)

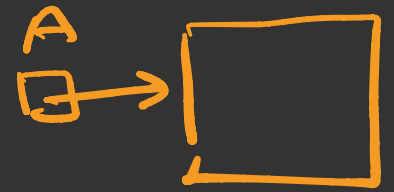
Agenda

① Types of methods

Types of methods in the class

- ① Instance method
- ② static method
- ③ class method

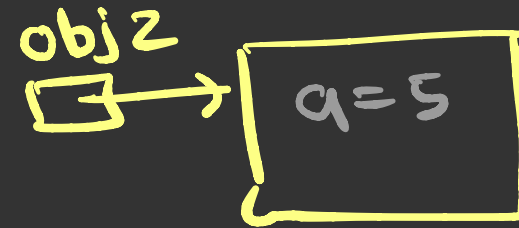
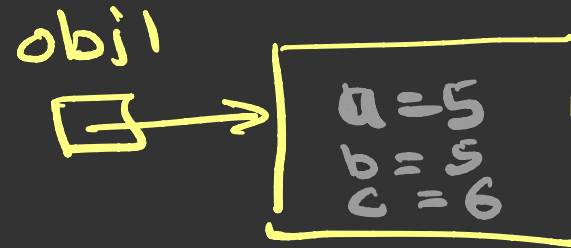
Instance Method



class A:

```
def f1(self):  
    self.a = 5
```

```
def f2(self, x, y):  
    self.b = x  
    self.c = y
```



obj1 = A()

obj1.f1() \neq f1(obj1)

obj2 = A()

obj2.f1() \neq f1(obj2)

obj1.f2(5,6) \neq f2(obj1,5,6)

A.f1() Error

A.f1(6) Error

A.f1(obj1) correct

Static Method

class A:

 @staticmethod

 def f1():

 print("Hello")

 @staticmethod

 def f2(a, b):

 print(a, b)

A.f1()

A.f2(5, 6)

obj1 = A()

obj1.f1()

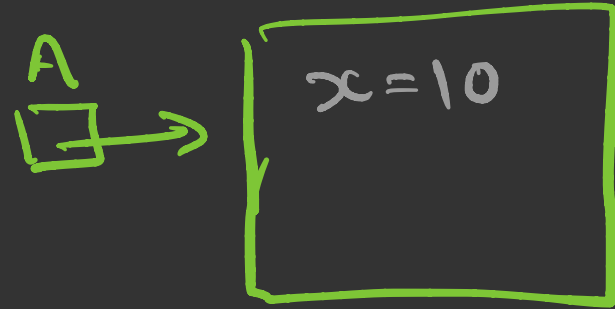
Class Method

class A:

 @classmethod

 def f1(cls):

 cls.x = 10



A.f1() \neq f1(A)

obj1 = A()

obj1.f1() \neq f1(A) ✓

~~f1(obj1)~~

Instance Method

ClassObject.
instanceObject.

static method

class method

