

Full stack web development using python

Types of methods



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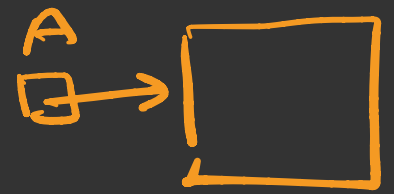
Agenda

① Types of methods

Types of methods in the class

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

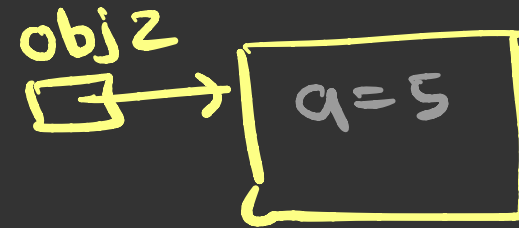
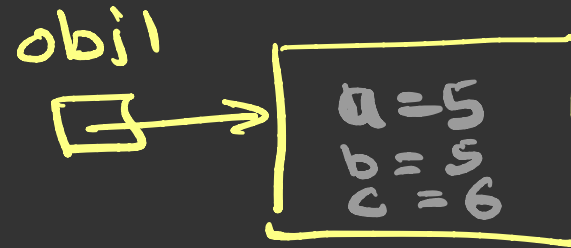
Instance Method



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()

Note : In static method by default no arguments pass implicitly

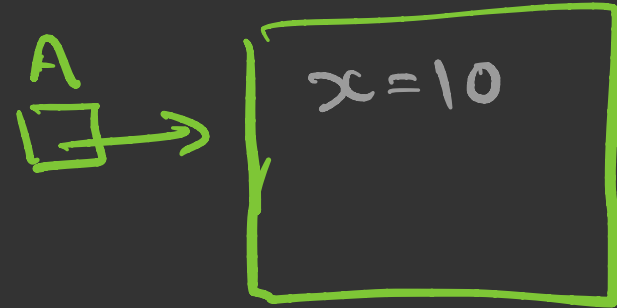
Class Method

class A :

@classmethod

def f1(cls):

cls.x = 10



A.f1() \neq f1(A)

obj1 = A()

obj1.f1() \neq f1(A) ✓

~~f1(obj1)~~

class method can be called by instance object, but implicitly class object pass as arguments pass, not instance .

classobject ke case me implictly instance object pass nahi hoga, instance object ke case me hoga

Instance method

ClassObject.

instanceObject.

dono hi case me implictly koi bhi object pass nahi hota

static method

dono hi case me class ka object implictly pass hoga

class method

