Full stack web development using python

Types of variables

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Agenda

1. Different types of variables
2. Instance Object variables
3. Class Object Variables
4. Ways to create Instance object variable
5. Ways to create class Object variables.

Types of Variables

① Global Variables

② Local variables

③ Instance object Variables

④ static variables or class object variables
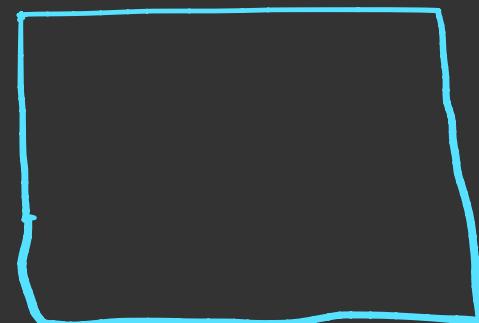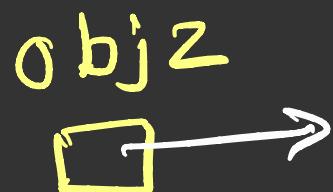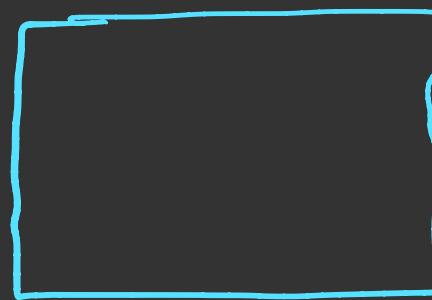
Instance Object Variables

Class A:

$\equiv$

obj1 = A()
obj2 = A()

obj1

obj2

Class Object Variables

class A :

＝＝＝
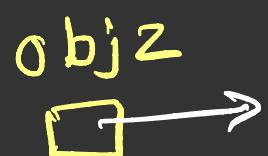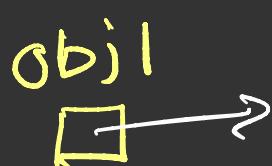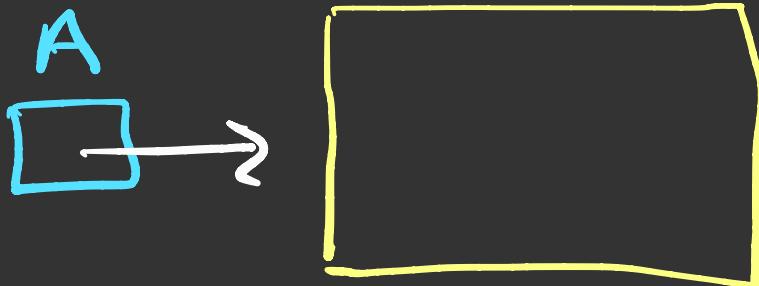
obj1 = A()
obj2 = A()

A

Ways to create Instance Object variables

① __init__() method

② any instance method

③ Directly through instance object

In simple words, if you have a name referring to the instance object, you can create or access instance object variables.

self 🔲

obj1

🔲 → | a = 10
         b = 20
         c = 5

Ways to create class object variables

① in class body

② in class method

③ anywhere where you can access class name

$$x1 = 4$$
$$x2 = 7$$

A □ → (box)

cls