

# ⇒ Object Oriented Programming

① Imperative Programming :

- {
  - Set of tasks
  - Execute one after another

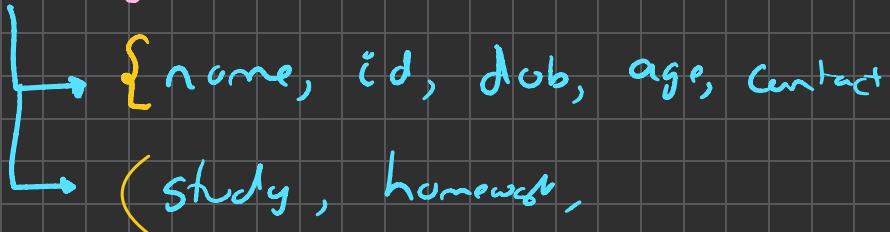
② Procedural Programming :

- {
  - We create functions.

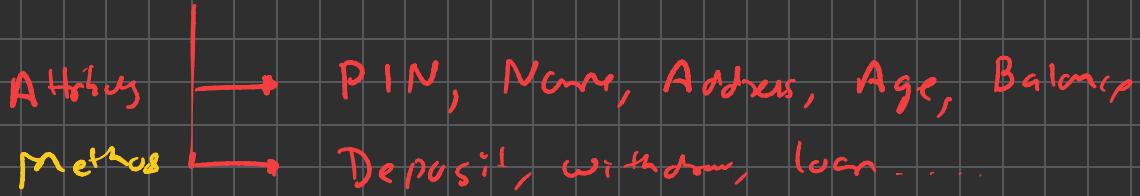
Class → Blueprint

str, int, bool, list,

Student :



Bank Account



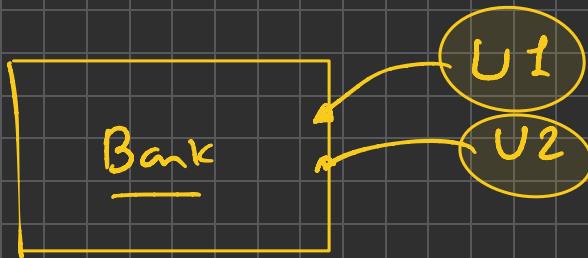
Object is an instance of class

s1 → Student()

s2 → Student():

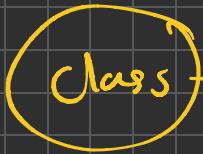
s1 and s2 distinct.

p1 - Bank Acct():



# Object

$s1 = \text{Student}()$

 Class → No memory

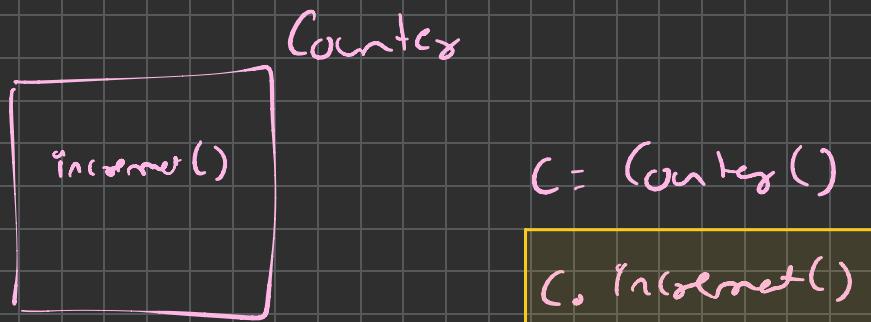
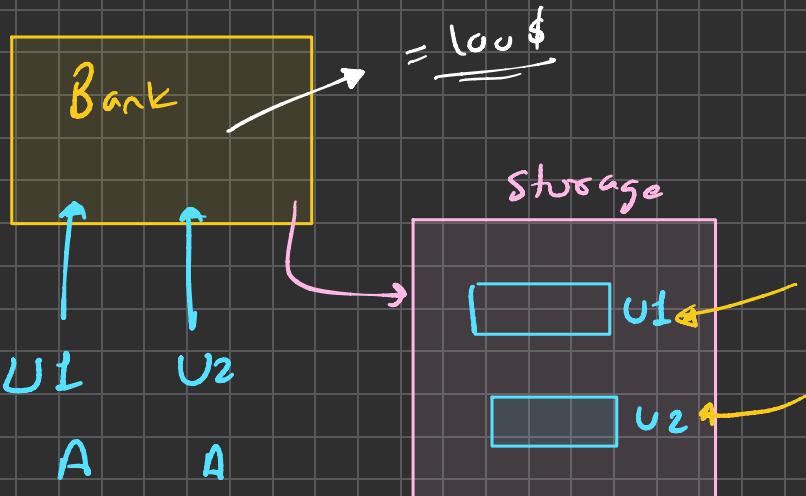


 State

→ Collection of data values stored  
in its attributes.

 Behaviour

→ Object performs actions, based on  
methods defined.



Counter, increment (c)

```
def increment(self):
    pass ("func")
```

class Hello :

def say\_hi(self) :

print("Hello")

h1 = Hello()

h1.say\_hi() → print Hello.

`h1.say-hi()`  $\Rightarrow$  Class. function(object)



`Hello.say-hi(h1)`