

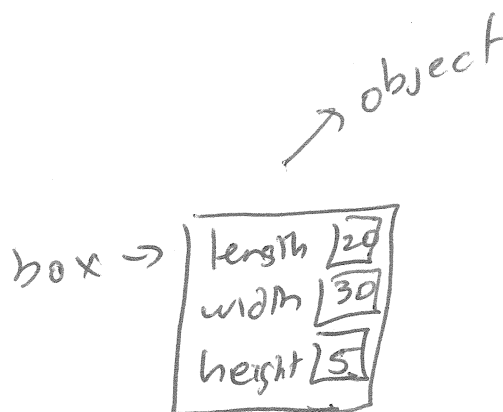
6/3/26 OOP Python

[20, 30, 5] → box

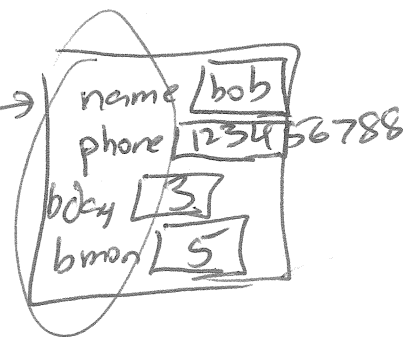
↓      ↓      ↓  
length width height

box[0]  
box[1]  
box[2]

box.length = 20  
box.width = 30  
box.height = 5



User Defined Class myfriend  
spells out the blueprint  
for a new "type" of object



define how to build it → constructor

class Contact:

# functions inside class  
are called methods.

# Constructor

def \_\_init\_\_(self, ..., ...): # Instance  
# Method

self.name = name

self.age = age

self.phonenumber = pn

self.bday = 100 \* month + day

# Extract Day self.bday % 100  
# Extract Mon self.bday // 100

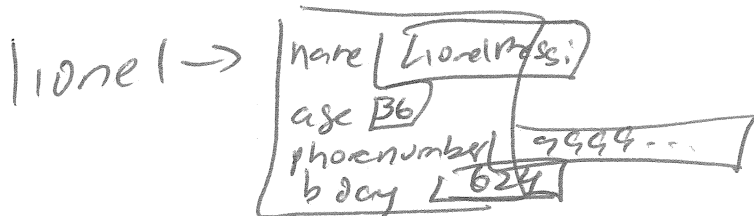
12/12  
12/2  
9/14  
9/4

name, age, pn, day, month → "belongs to the object"

# String Representation of an object

```
def __str__(self):
```

```
# Returns a string representation of  
# the object
```



print(lionel) # \_\_str\_\_ is called on  
its return value is printed