

→ Functional Programming ←

$f(x) = a$
args → return value

$f(x) = a$

$a == b$

$f(x) = b$ if same function, same args then.

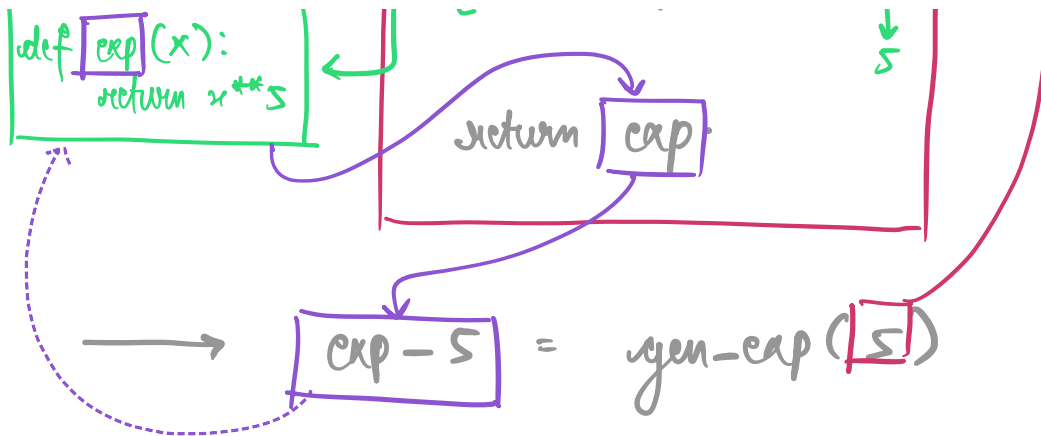
————— x —————

→ `def square(x):`
return `x**2`
① name ② args ③ return value
} → single line body. not too return.

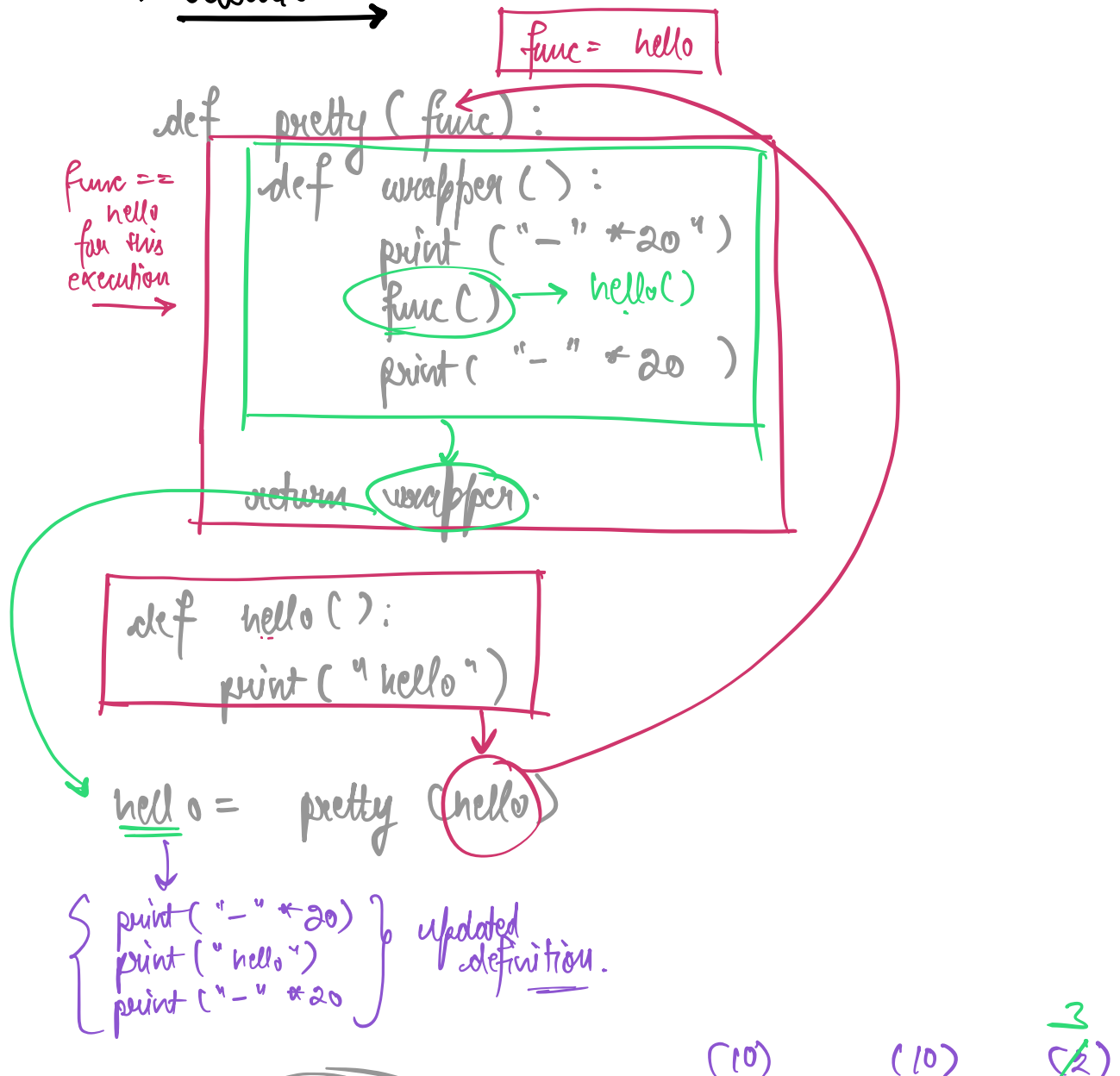
→ `square = lambda x: x**2`
① keyword ② ③
lambda f(x)

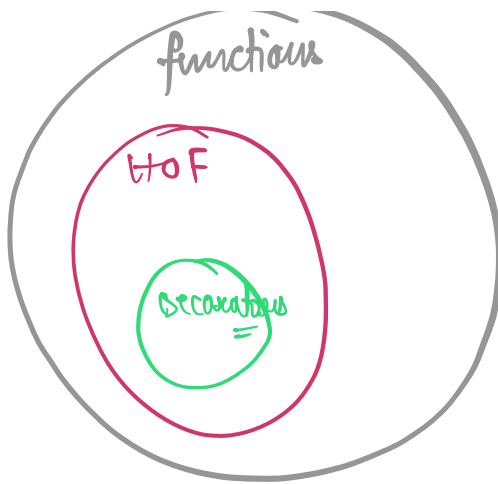
Higher Order Functions

→ `def gen_cap(n):`
for this execution $n=5$
`def exp(x):`
return `x**n`
($n=5$)



Decorators





$$\text{num1} = \text{num2} // \text{num2}$$

$$\log_2 10$$

$$\log_3 10$$

$$2^x = 10$$

$$3^y = 10$$

$$y < x$$