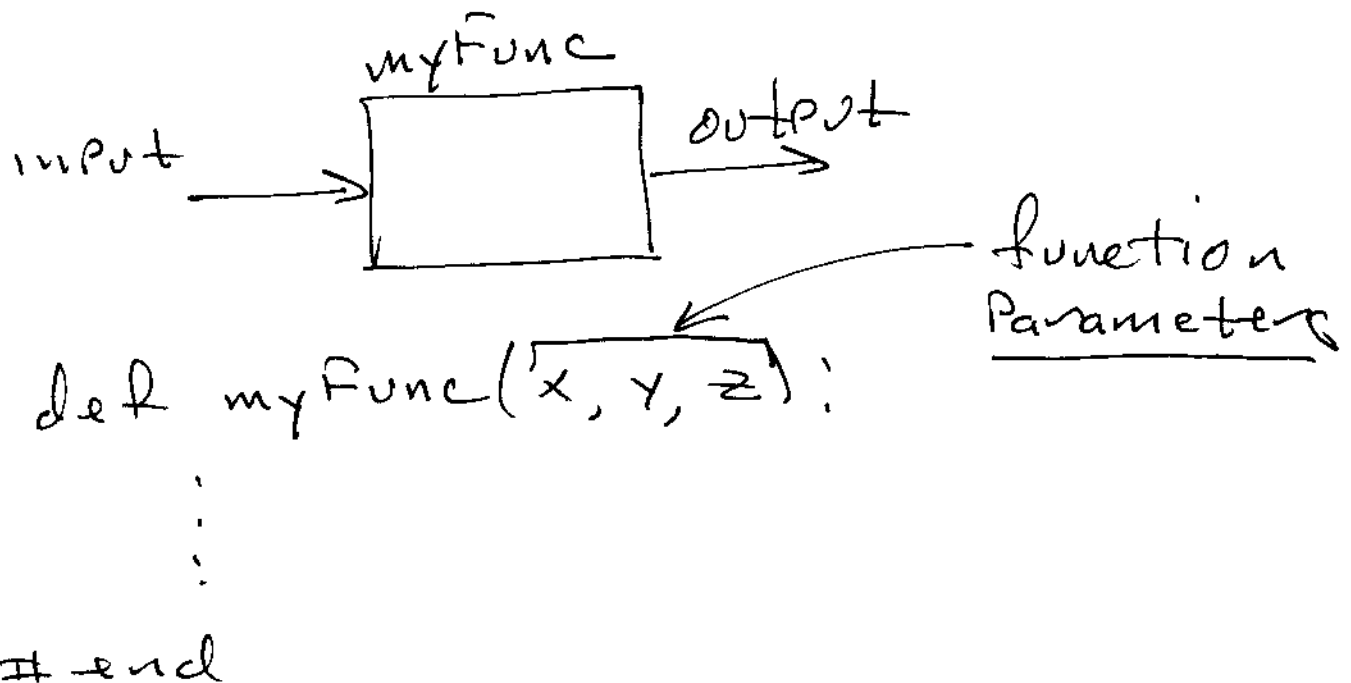


es2 20 4-9-20

Ex. Function1.py / script mode
flow of execution

Ex. Function2.py

a function is a machine



calling myFunc()

myFunc(1, 2, 3) ← function arguments

in Function2.py, myFunc() has no output.

4 ~~x~~ kinds of functions

no input no output

input → no output ← myFunc

no input → output

input → → output

when we call

myFunc(1, 2, 3).

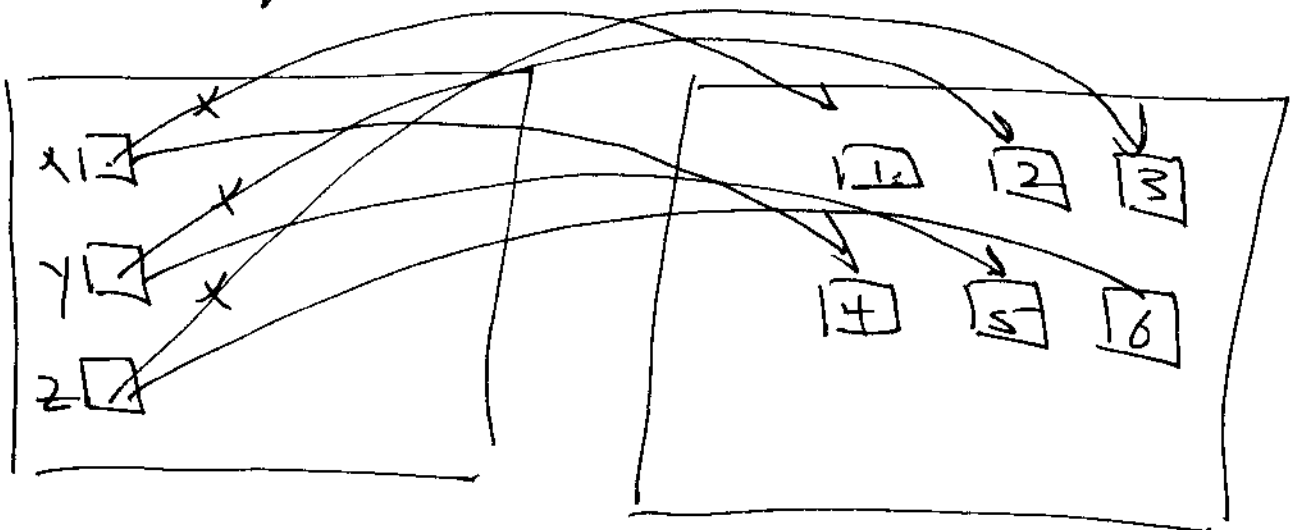
transfer to defn

def myFunc(x, y, z)

end

memory area
for myFunc

memory area
for main Program



another call to myFunc()

~~main Prog!~~

myFunc(4, 5, 6)

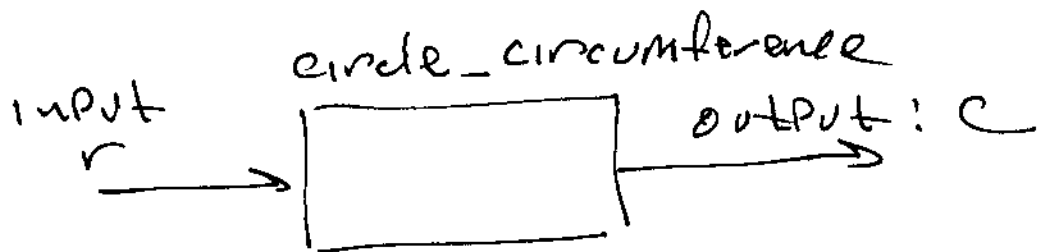
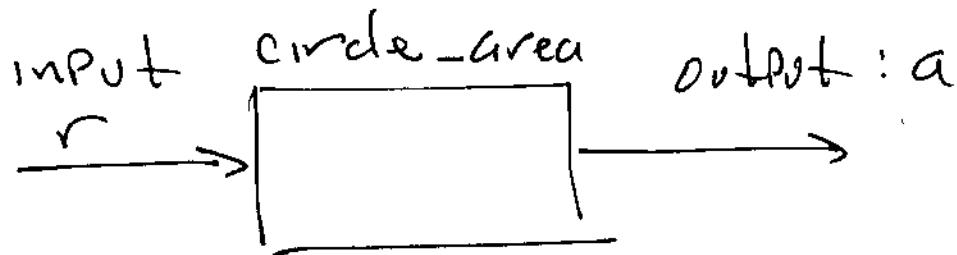
def myFunc(x, y, z):

...
#end

scope of a variable: the area in program where the variable has meaning to the python interpreter.

def myFunc(x, y, z): scope of
... x y z
#end

Ex. circle2.py (fix on webpage)



return causes a value to be returned.