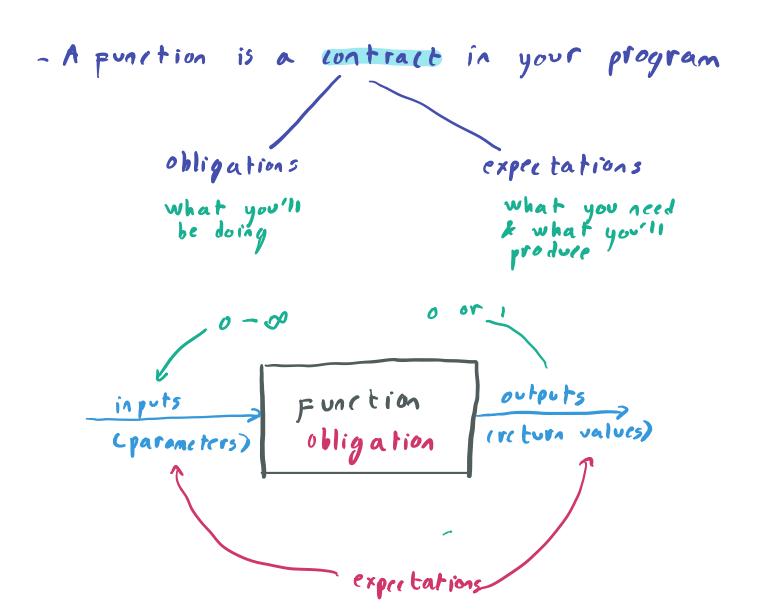
Functions, parameters & references



these are (1. We'll provide specified inputs

summarized 2. we'll get back a particular output

in punction

comment

def add_3_nums (a, b, c): called with

a parameters

returning this sum

Abs traction

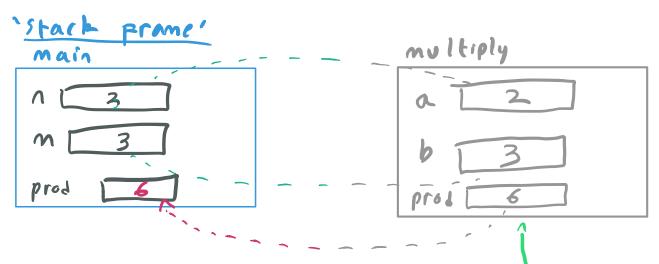
Ly if you're outside the function, you don't lare about the inside & vice versa

Function calling mechanics

def multiply (a, b)?

prod = a * b

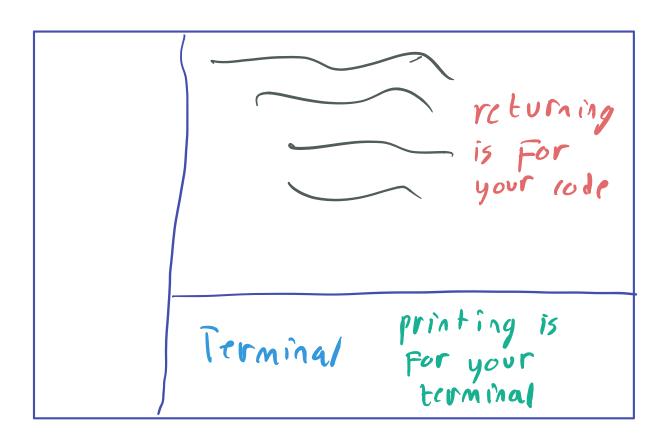
return prod



when a Fr completes, its stack frame

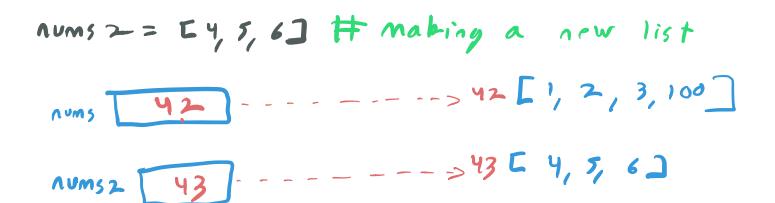
printing & returning_

Pycharm:



- to printing out puts in Fo to the terminal's
- 17 returning outputs in Fo to the pragrom's information plow

Passing by reference nums = [1, 2, 3] memory: -- --> 42 [1, 2, 3] memory: --> 42 [1, 2, 3] 10m52 42 1 um 5 2. append (100) ---> 42 [1, 2, 3, 100] 77 append Print (nums) ---->42 [1, 2, 3, 100]



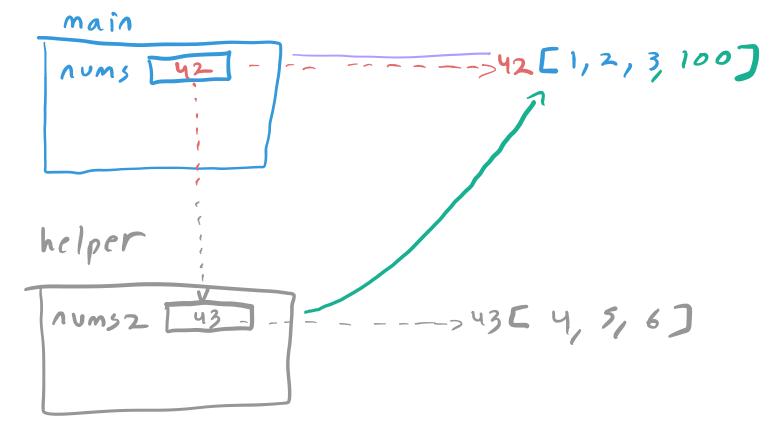
deF main ():

nums = [1,2,3]

helper (nums)

print (nums)

de= helper (nums2): nums 2. append (100) nums 2 = [4, 5, 6]



-> passing by reference applies to lists, diction aries, images & pixels, convases