	CDSC 250 - Functions (Haras)
def	my-function  raure  argument list

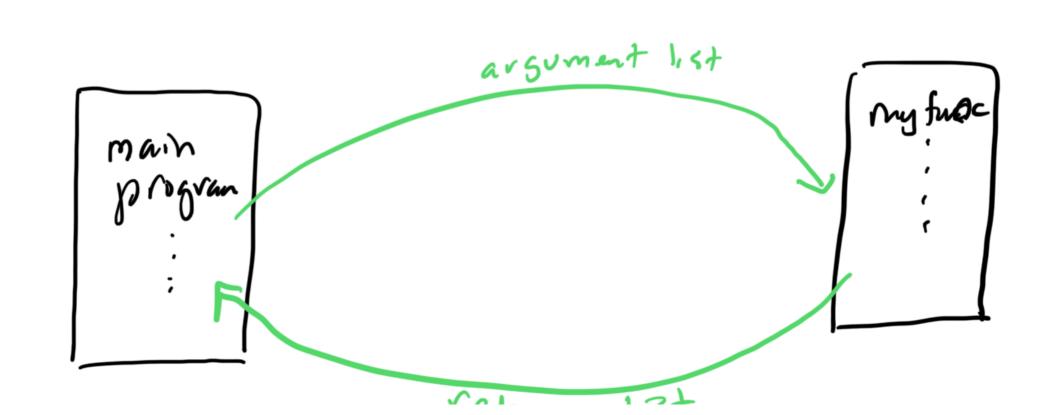
return

return value 13+

a list of Things argument that are passed to the function.

a 13+ sf things return value list: returned from the

function.



## Example 1:

def add 
$$(a, b)$$
:
$$C = a + b$$

$$return C$$

$$\frac{b}{4}$$

$$0 \quad 3C = 4$$

$$9 = 6$$

$$2 \quad 4 \quad (x, y)$$

$$3 \quad 2 = add(x, y)$$

Super incredibly important ideas:

(1) a, b are copies of x, y !!!!!!! Thou are different places in memory!!

(2) changing a, b in The function does not change ol, y in the main program!!

PASS BY VALUE !! This is called

Use différent vouvre le names Big Hint:

in the main program and

the function!

Function Main a, b, c ×19,2

This will reinforce to the reader, and to you, that the varieties in the Function are different than in the

man program .

## State typing (C,C++, Jour, Go,...)

A note on dynamin typing (or duck typing) in Pythin:

The add fundion above would work agnitly well on strings or floats!!

Python is mart enough to make a, b, and c who lever type they need to be!

X = "that is" y = "so cool!" z = add (x(y)) p(m+(z))

Ma code,

where, with the Xope: de vaviddes have a well defined meaning. ξ×. Bob' employee - name = def get-name (): 1) name = input () employee-name = name -) get-name () print (emplayer-name)

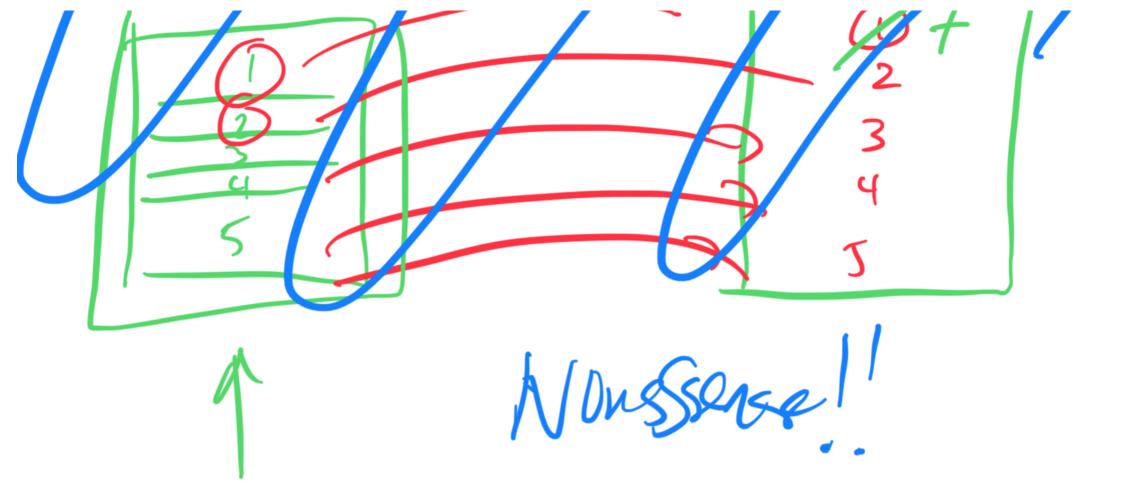
Main

Normhus

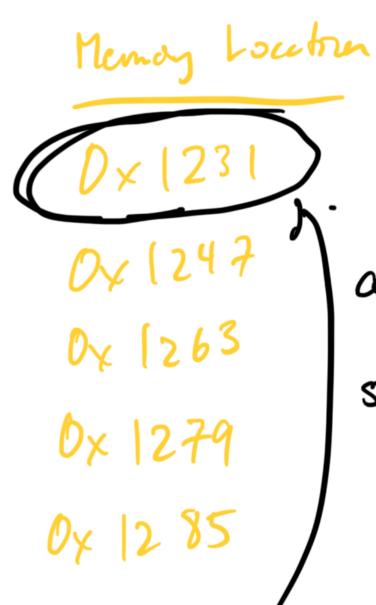
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Total



Delex	ninbers
Ь	17
7	2
2	3
3	4
4	5



alddoss of start of the list.

Change -nombers (numbers)

Oh, it's a list

ex 13t-It-mbes.

0 7 7 0 × 123 1

