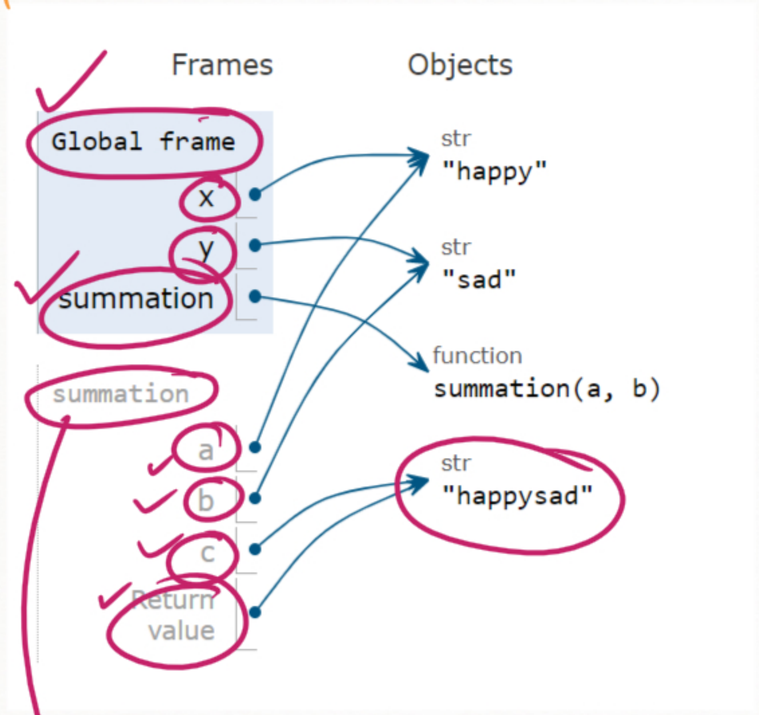
Namespace

Scopes



An Embassy

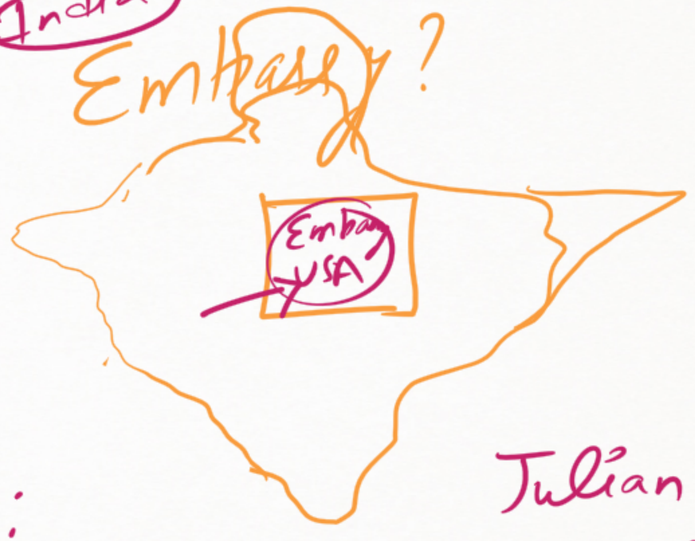
```
1 x = 'happy'
2 y = 'sad'
3
4 def summation(a,b):
5     c = a+b
6     return c
7
8 summation(x,y)
9
```

def Multi_div(c,d):
c =
return

Global Namespace
local namespace

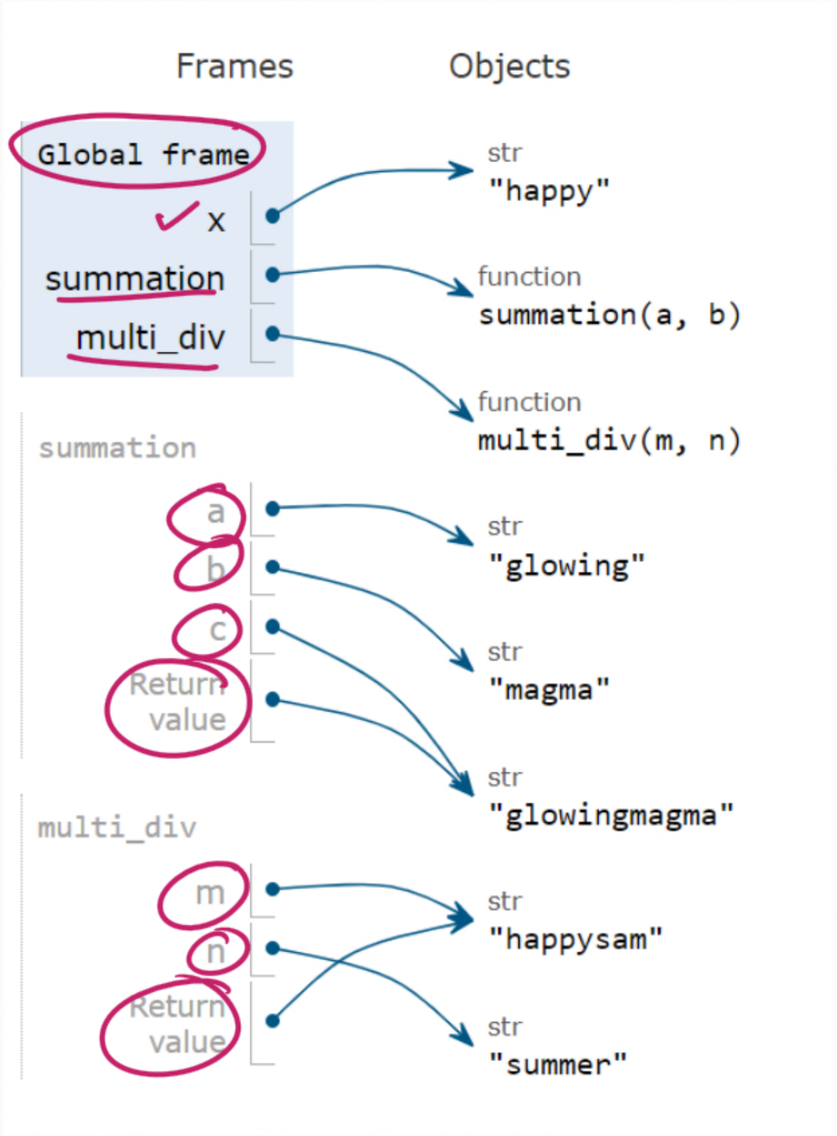
Global ≈ India

Embassy?



Julian Assange Embassy of Ecuador in UK

Global Namespace Vs Local Namespace




```
1  x = 'happy'
2
3  def summation(a,b):
4      c = a+b
5      return c
6
7  def multi_div(m,n):
8      print(m+n)
9      return m
10
11 summation('glowing','magma')
12
13 multi_div('happysam','summer')
14
```

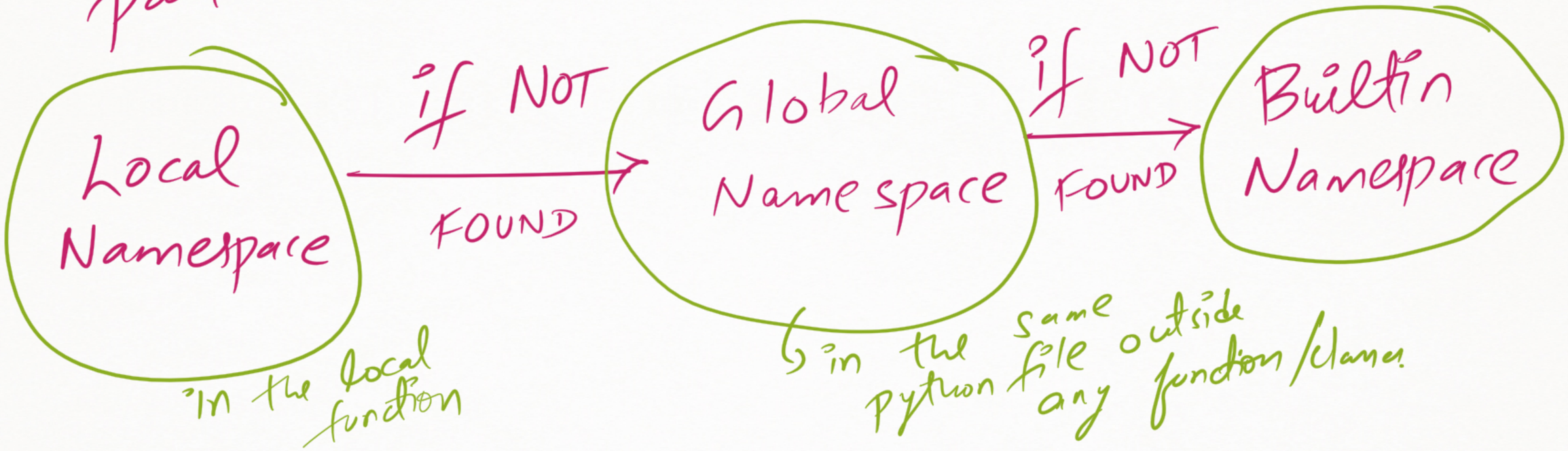
Namespace => collection of Names (variables, functions)

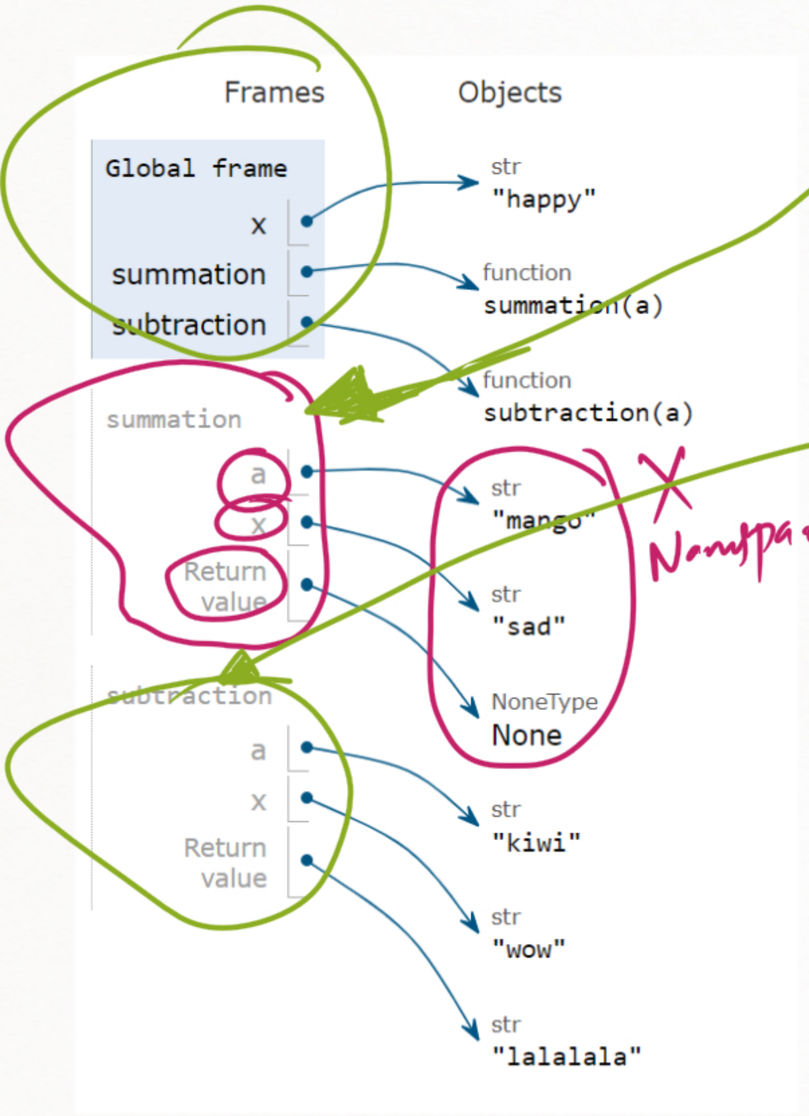
Local Namespace of summation

Local Namespace of multi_div

What is the use of Namespace

=) When you use a name in Python, Python searches for that name's value in a particular order in these namespaces :





Local Namespace of summation
=> a, x, Return Value

Local Namespace of subtraction
=> a, x, Return Value

Global Namespace
=> x, summat..., subtr...