

PVM

Raw Memory Allocator

Object Specific allocator

Memory allocation

Deallocation

Automatic (User) X

Type

amount of mem
etc - PVM (Interpreter)

Run time

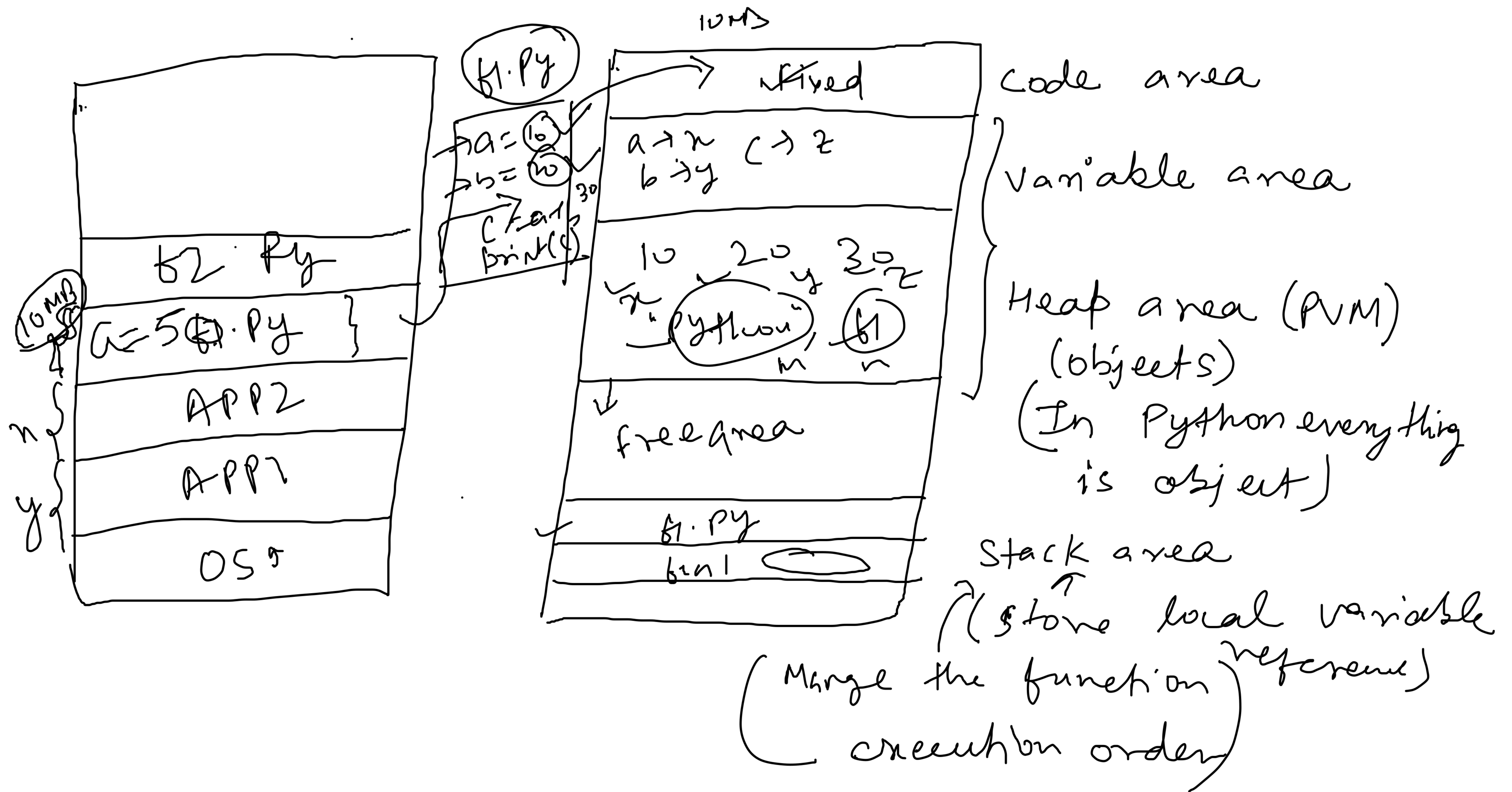
↳ Python is Run time
language

GC module

Mem deallocation for
object

Reference count → 0

GC - does the garbage
collection for object



Raw memory allocator

↳ If extra space is required at application level - OS - by Raw Mem Allocator

PVM → Python virtual Machine → Heap area

→ as a user you will not have any control over heap area

Object specific allocator

→ int, float, complex, None, Boolean, String
list, tuple, set, frozenset, Dictionary
Bytes, bytearray, range, function,
generator, decorator, iterables.

51.94

→ a = 10
→ b = 20
→ c = a + b
→ print(c)
→ ~~def~~ fun():
 pass
→ fun()

10 + 102 = 30
10 + 20 = 30

30

192
495

✓ a → 101 ✓ c → 103
✓ b → 102 fun → 205

variable

101

10

→ a
bowl a

29 3

1000000

10 20 30
101 102 103
None fun() ✓
104 205