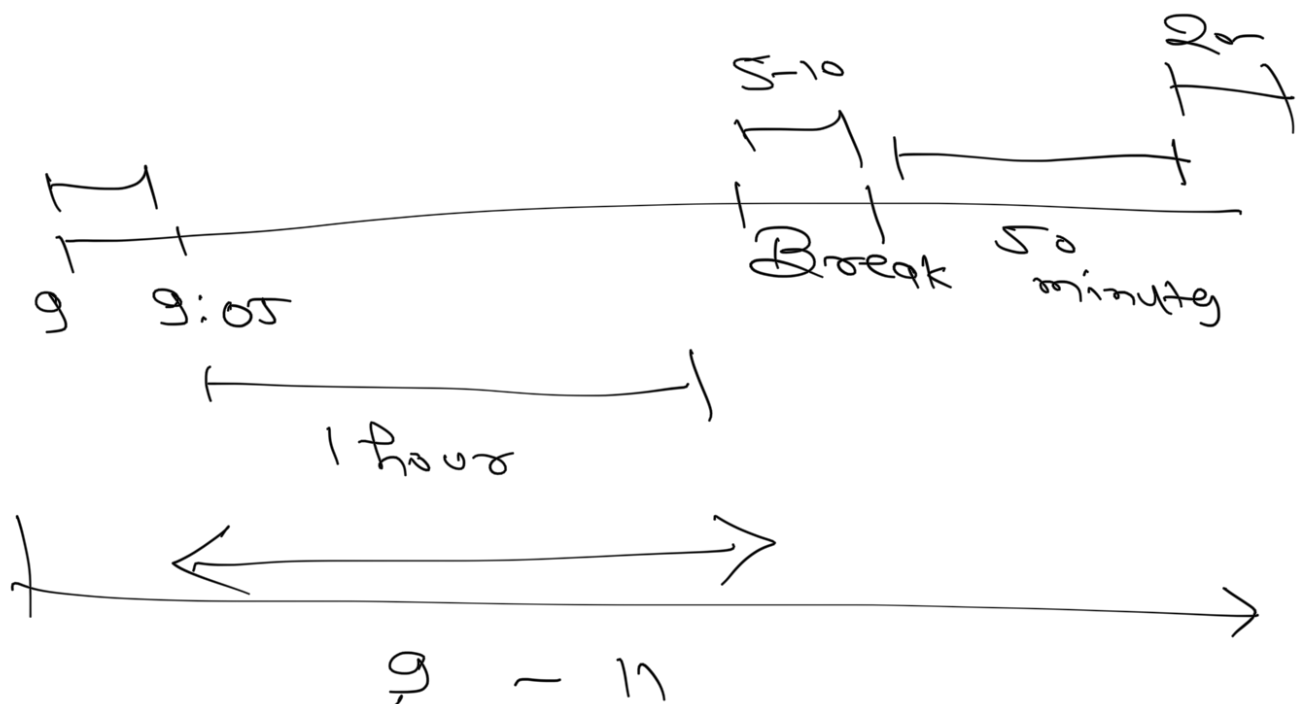
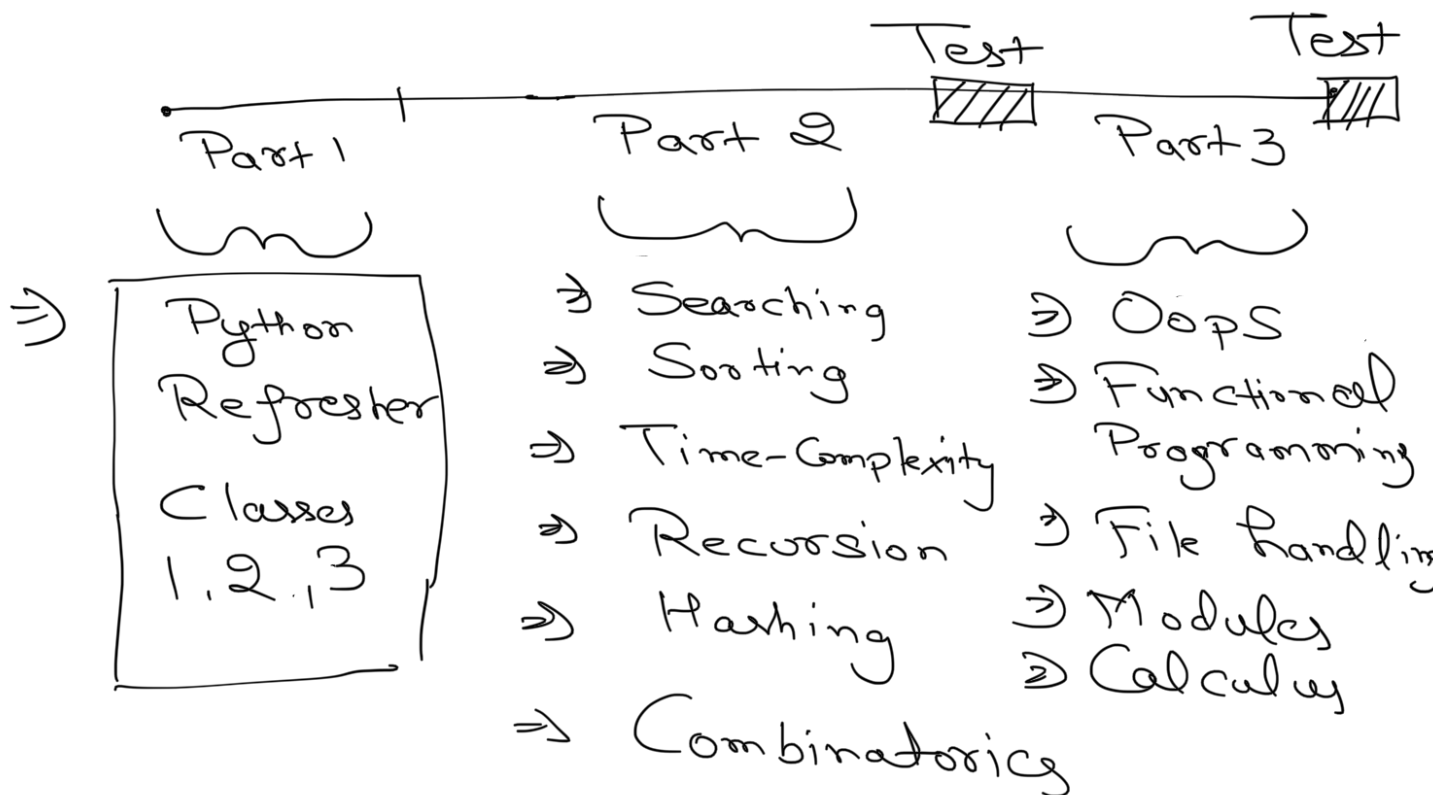


Welcome to

Python Intermediate

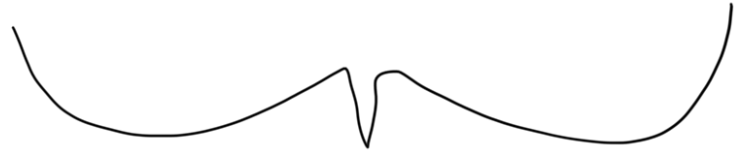
Intermediate Breakup





⇒ Primitive Data types

[int, float, str, complex, boolean]



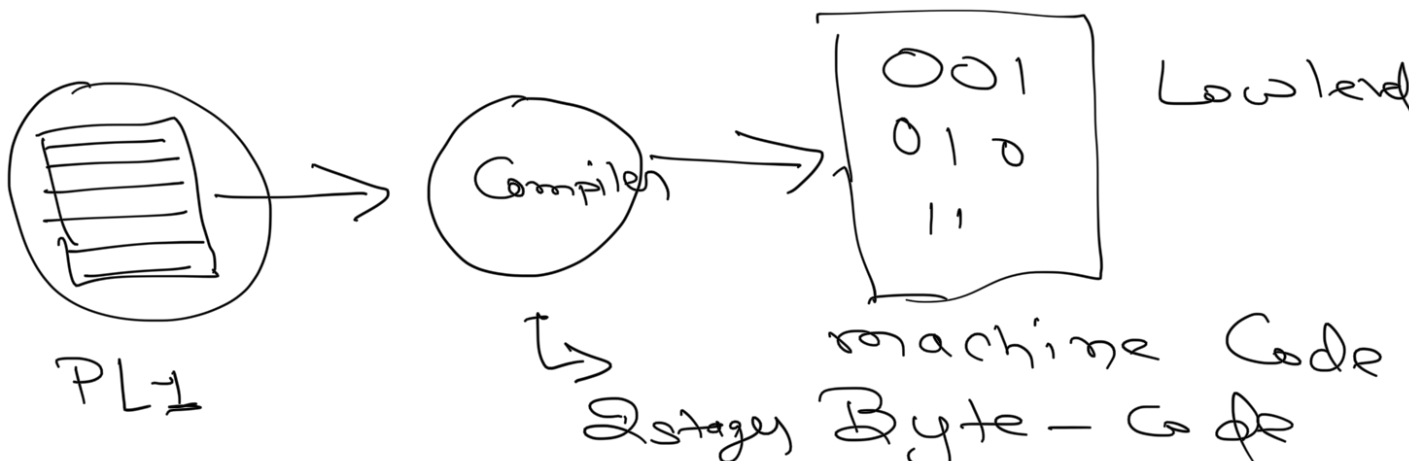
First Class Citizen
(FCC)

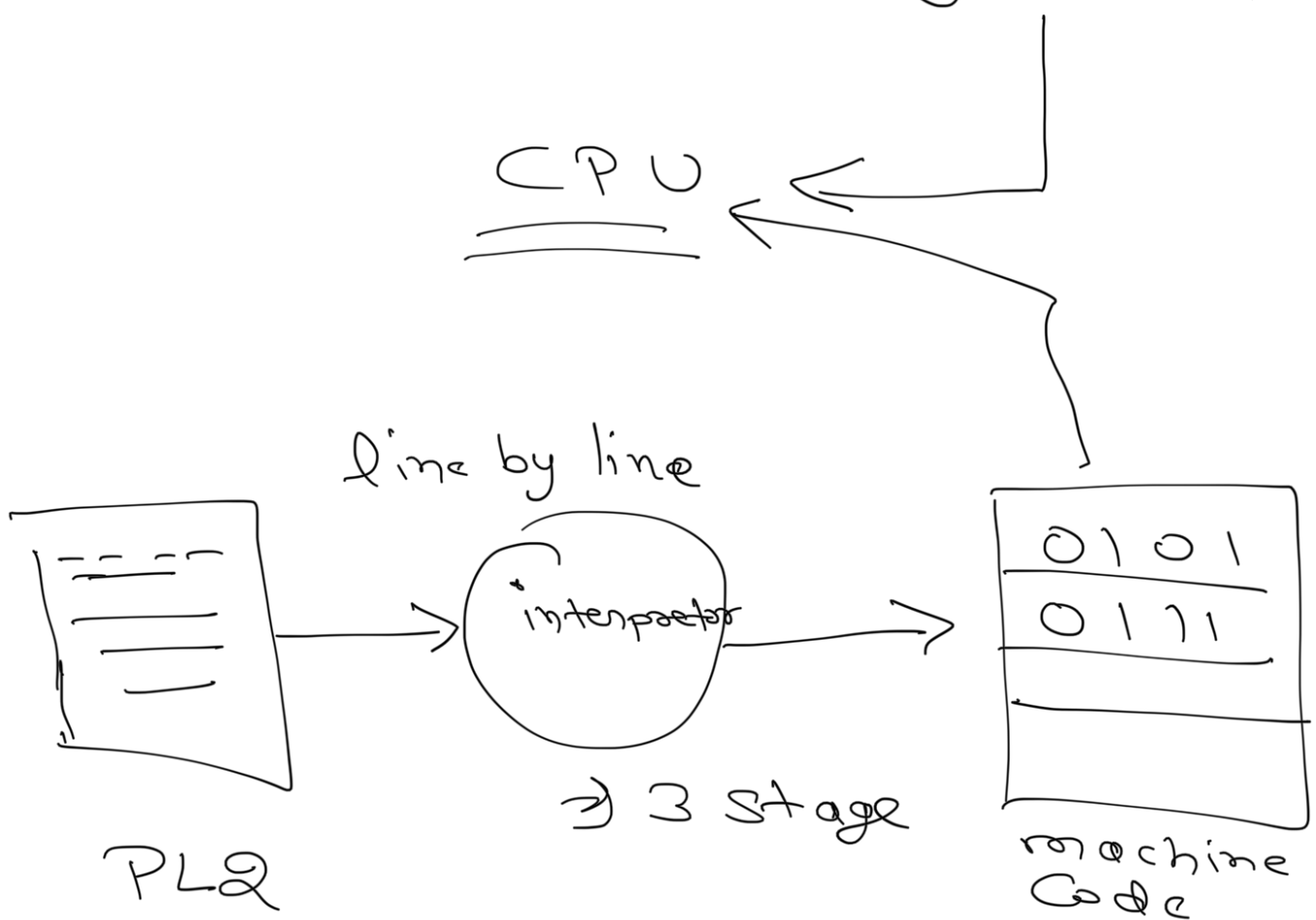
⇒ FCC

⇒ an entity which can be passed to a function

⇒ Returned as output from a function

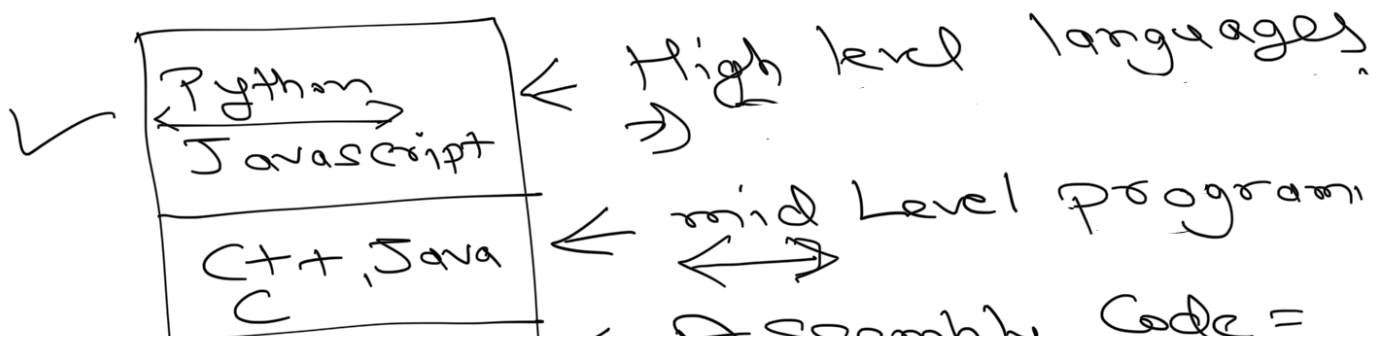
Compiler vs Interpreter

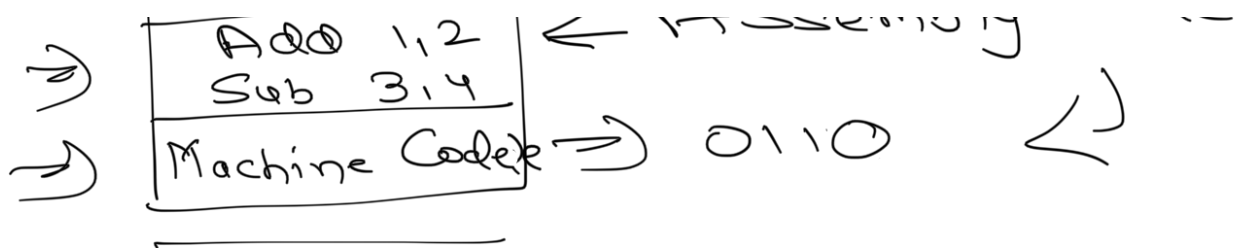




⇒ Python ⇒ ?

Hierarchy of Programming Language:





Python is slower than
C, C++, Java

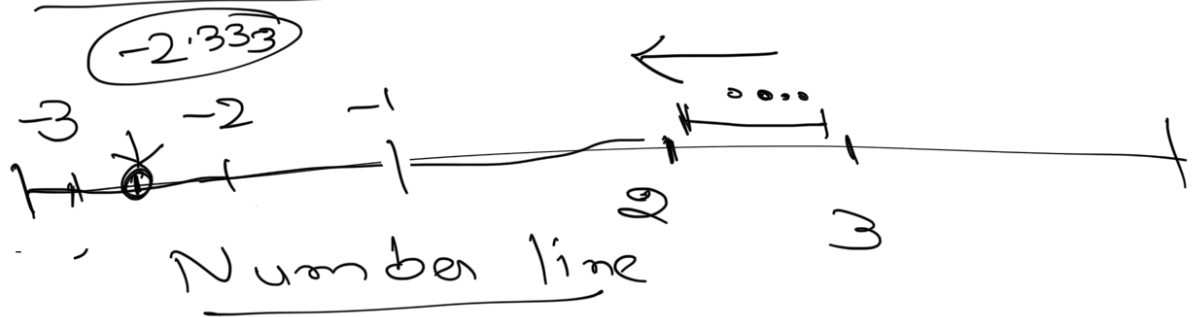
→ Chat GPT } High-level Code
→ Word power }
Not Reliable

→ In python Everything is
of Type object

Object

int	Str	Function
1, 2	char	do()

Floor Division



$$(2.1) \Rightarrow 2$$

$$2.999 \Rightarrow 2$$

$$2 // 3 \Rightarrow (2.999999) \Rightarrow 2$$

$$\Rightarrow 3.0001 \Rightarrow 3$$

→ Mutable vs immutable

mutable

↳ Things that we can

things
Change
 → List } L
 → Set } S
 → Dict } D

immutable

↳ Not able to change

→ int
 → str
 →

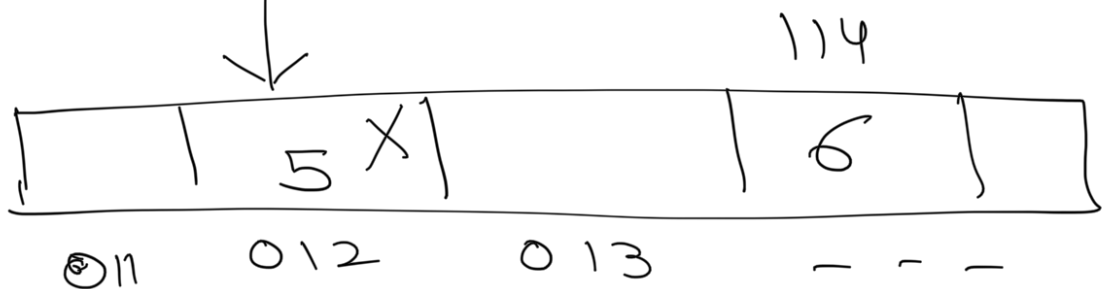
Global Register

↳ Ref Var
 ↳ Address

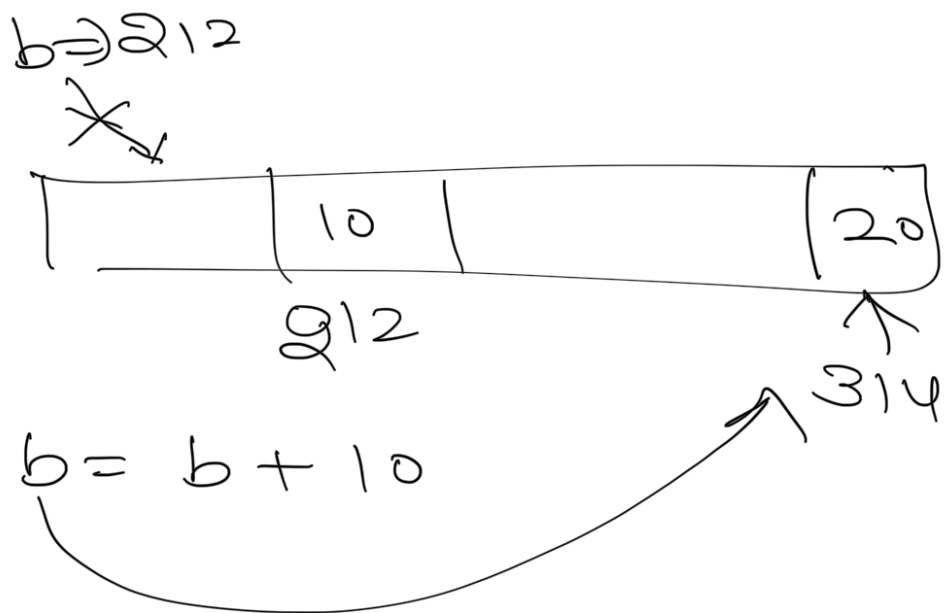
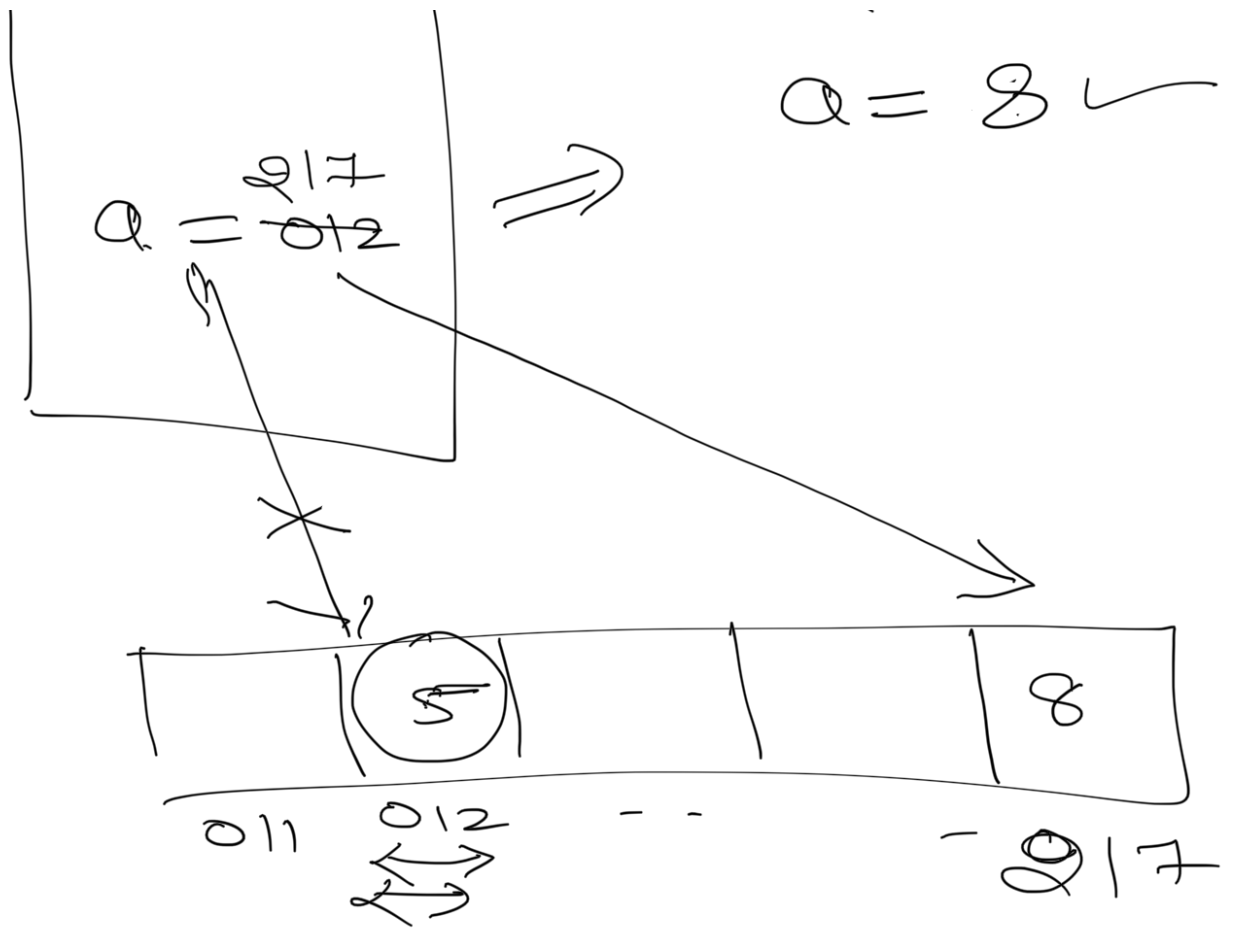
Q = 5
 b = 6

b = 114
 a = 012
 Address

RAM



Q = 5



~~del~~

Scope ← Refresh 2
↔

→ Quiz
→ Mutables →
→ Scopes

I

→ Home-works / Assignment

→ How PL are Categorized

→ Arithmetic tricks

→ Immutability

→