→ Data types in python

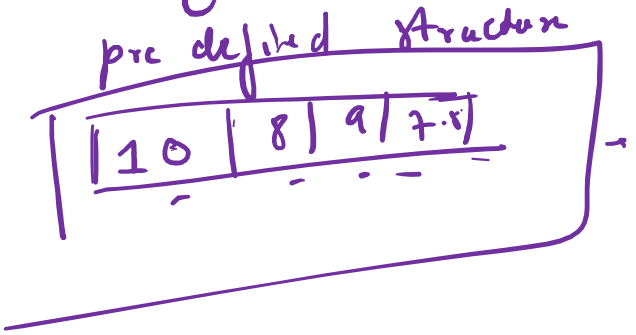
- digit
- letters
- digits + letters
- dates
- Boolean

→ Simple / Fundamental → single unit

10 | 90.85 | abc

CSDOIR

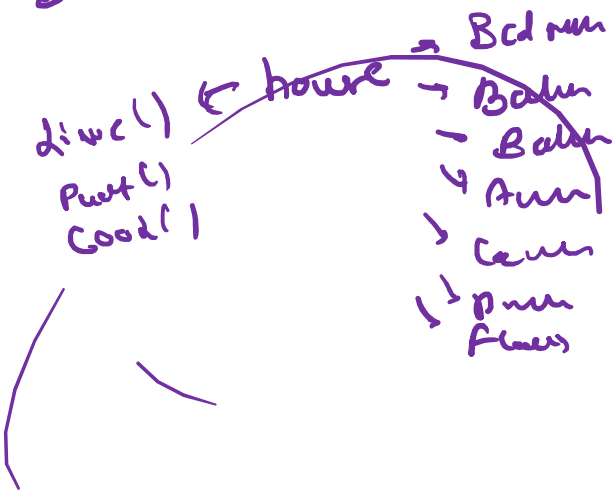
→ Complex → Collection of multiple simple data types in a pre defined structure

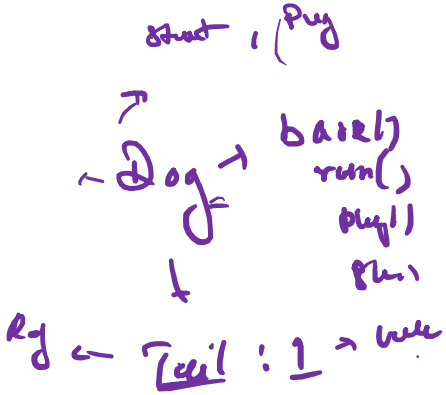


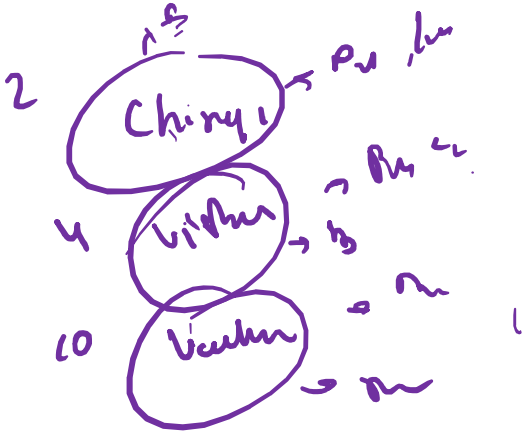
→ Class → human → breathing(), eating(), walking()
↓ → age, hair, leg, hand, nose, ear, skin ....

class
↓
Collection of
methods & attributes
↓
work

Ram, Kaun, Sita
↳ object







dicts → [1, 1.0, True, (3+)]

→ length = 4

tuple → (1, 1.0, L, [D])

cannot update a tuple

→ immutability

update a dict → mutability

2 key

String

→ built-in

mutated

dictionary → wallet = { "Note" : T, "Mango" : 10, "Grocery" : 2, "Count" : 17 }

List / Tuple a = [1, T, abc, Nan, 1.1, -, -]

0 1 2 3 4 5 6 7

Index a[0]

0th element a

[Not, Nw, Lw, Lw]

{1, 2, " ' } → Best Practice