* Data stoucture in python:

- 1 List
- @ S&
- 3 Dictionary
- @ Typle

List

1 List is Reterogeneous

D Lists any Dynamic

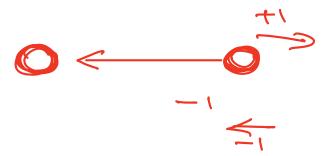
1 List one mutables

Slicing

3 Access set of Elements

D: 4:27

Dist [-1:-5:-1]



list [-1:-5:1]

Tuples

9 Immutable Dists

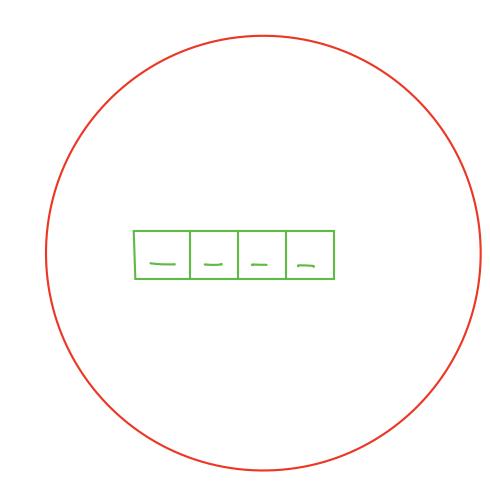
Dictionary

- 1 Key: Value pairs
- 2 Mudable
- 3 Indexing in Case of Olichinary 18 Clone using Key
- Fil the keys must be immutables
 while value can be either mustable
 or immustable
- B key with always be Unique
 - D Functions
 - 2 Sets
 - 3 Comprehensin
 - @ Steins

Pending

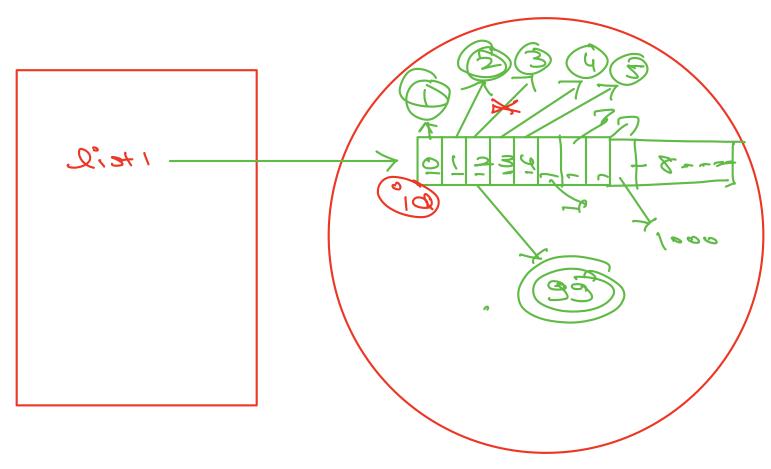
Memary Allocation 2, 34

1 teil



(4) 8, 16,32 ,44 - ---

@ Disti = [1,2,3,4,5] - 8 Hacks



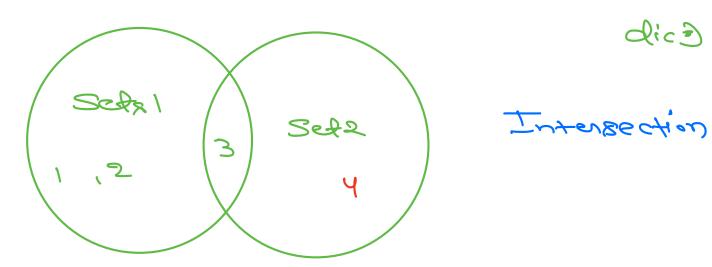
list2 .append (99) _ _ (100) (200)

8 Slots one filed

list &. append (1000)

D A collection of Unique Elements (keys)

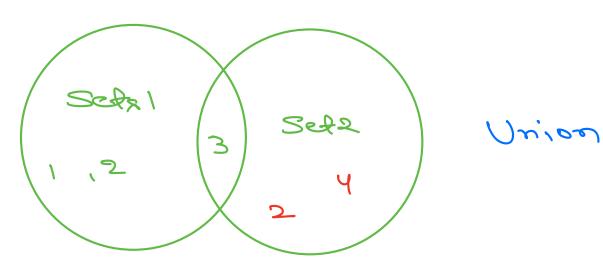
o Set o 21,2,3?



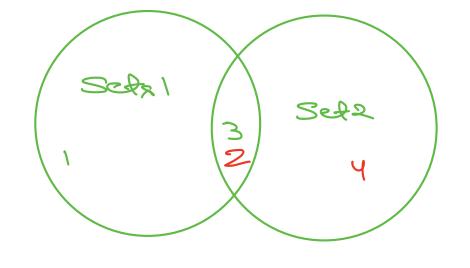
dic) & Kov3

S, N Sz= { 33

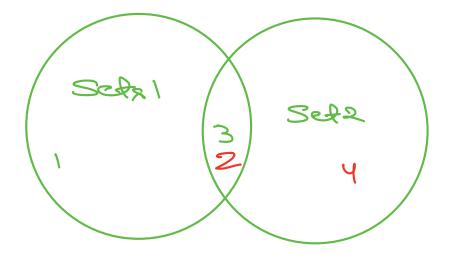
SznS



S, U S= { 1, 2, 3, 43 = S2US,



Difference



Symmmetrisic Difference

 $S_1^1 S_2 S_1 S_1 S_2 - S_1 S_2$ $S_1^1 S_2 S_1 S_2 - S_1 S_2$

Compagenzion

Di A shorthand Notation of creating Lists, sets and Dictionary

Stains

5 Chans , words , Sentences

9 Immutable

s iterable 3

Stol = "Hello"

Los i in stalis

44

2

Q o

0

Stri LaJ D P

X

mudable

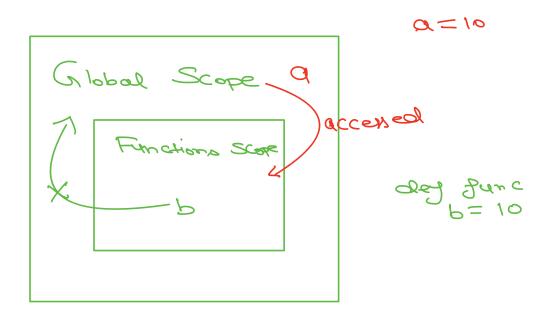
1) Split D String -> Qist
② Join ≥ List → Stoing
Function
A peice of code that can be used to do repetitive tasky
Parameter
def Junction-name (parl, pars)
point (value)

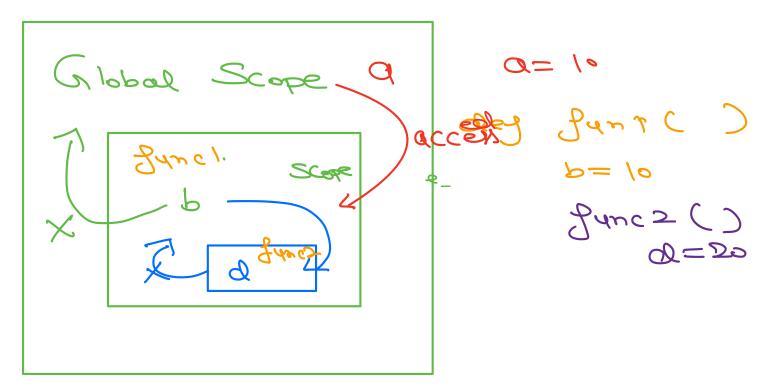
D= Janction-wasse (Nall & Nall)

Augustus

I Global Scope Immutable
Local routable * Scope

Resume (Q) 10:28 Accessi bility





Global Scope a accessed

Functions Scope

Deg June

b=10

