

range → Limit length range

0 255

1 byte

→  $q = \text{range}(10) \rightarrow 0, 1, 2, \dots, 9$

for loop <

iterations  $0, 1, 2, \dots, 9$

for  $x$  in  $\text{range}(10)$ :

$(6, 10)$

inc → exc

$x$  in  $0 \leq x < 10$

{

for  $x$  in  $q$

Print(x)

0, 1, 2, 3, ..., 9

- ✓ 1.  $\text{range}(10) \rightarrow 0, \dots, 9$
  - 2.  $\text{range}(6, 13) \rightarrow 6, 7, 8, 9, 10, 11, 12, 13$
  - 3.  $\text{range}(4, 20, 2) \rightarrow 4, 6, 8, 10, \dots, 18$
- inc    exc
- inc one    step

set

set datatype - mutable →

frozenset - immutability

$A = \{1, 2, 3, 4\}$

$B = \{4, 7, 8\}$

Mapping - map pointing -

1. Australia → value

key 2. India

map group of el. in key, value pairs

Dictionary → word - meaning

→ (set)

dict

✓ keys are not duplicated

value can be " → list

①

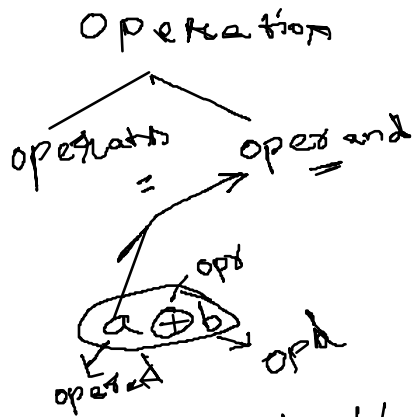
4.

int →  
float →  
bool  
float  
complex

~~se~~  
List  
tuple  
byte  
dictionary

T  
range  
set  
dict

$$\begin{matrix} 3 & - & 0 \\ 2 & \text{---} & 2 \end{matrix}$$



$$5 \div 12 \rightarrow$$

$$\begin{array}{r} 12 \overline{) 5.0} \\ \underline{0} \\ 50 \\ \underline{48} \\ 20 \end{array}$$

$$12 \div 5 \rightarrow 2.4$$

① Assignment

float &lt;del> &lt;/del>  
+  
-  
\*  
/ (mod)

// - int div  
\*\* - exp. P

$$12 \div 1.5 = 8$$

$$5 \div 12 = 0.4166...$$

$$5 \div 2 = 2.5$$

float  $\downarrow$   $\frac{\cdot}{\cdot}$  (mod)

5 # 2

R-1

- > 1  
 <

logical

~~2~~

and  
 or  
 not

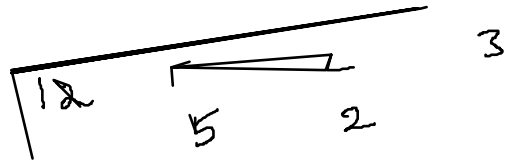
~~5~~  
~~2~~  
 \*

a  
 ↓  
 12

b  
 ↓  
 5

c  
 ↓  
 2

↓  
 7



A	B	A and B	A or B	Not A
F	F	F	F	T
F	T	F	T	T
T	F	F	T	F
T	T	T	T	F

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