17 January 2025   13:17

Operators :

→ Arithmetic operator : Numeric Valuation

→ Assignment Operators : Assigning value to variable.

$a = 7$ ⟹ $a = 10$

STACK
LIFO

a

a

7

$ffx_0 L7U$

10

$Lx=ff_L$
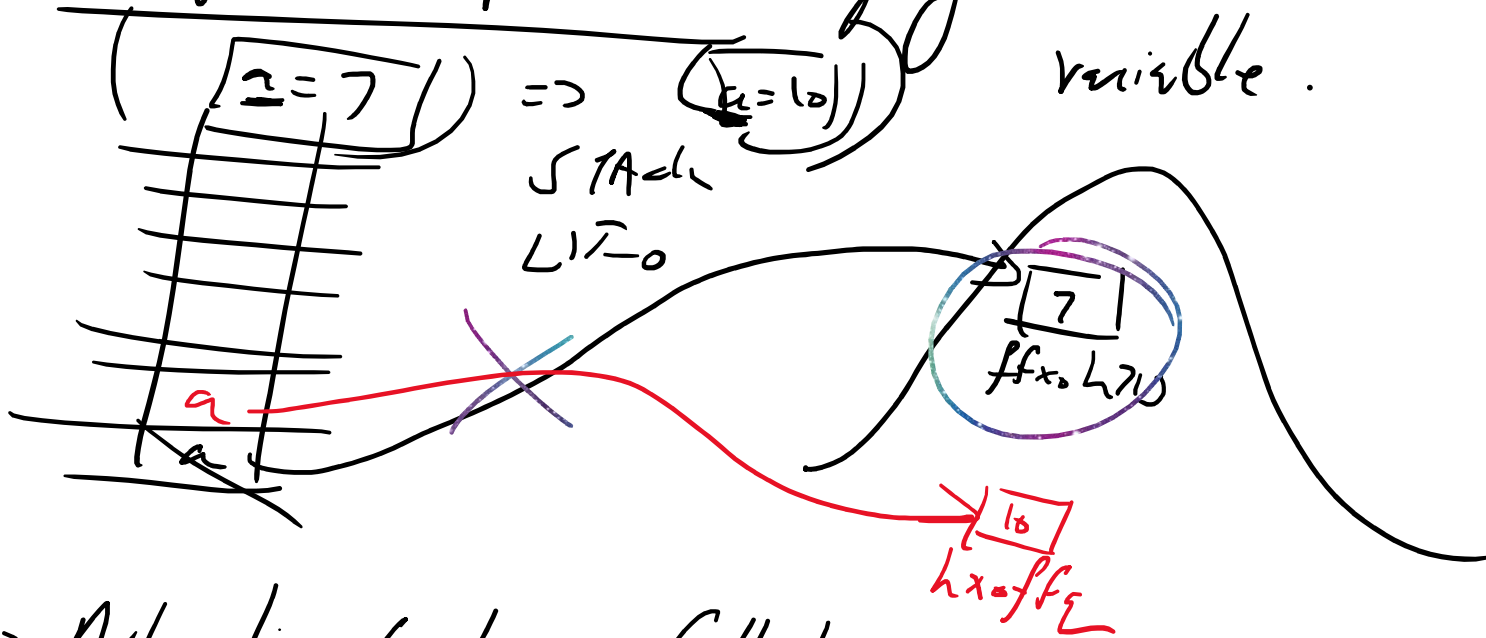
⟹ Automatic Garbage Collection

→ Comparison Operator :

$==$ $<$

$!=$ $>=$

$>$ $<=$

→ Logical Operators :

AND   OR

Logical Operators:

$$88 - and$$
$$|| - or$$
$$\sim - not$$

→ Identity operators:

is

is not

→ Bitwise Operators:

AND	8	$<<$ Left shift
OR	$|$	$>>$ Right Shift
NOT	$\sim$	
XOR	$\wedge$	

		AND		OR
0	0	0		0
0	1	0		0
1	0	0		1
1	1	1		1

→ Membership Operators

in
not in

(ASCII Sensitive)

$$5 \rightarrow 0000\ 0101$$
$$AND \quad 8$$
$$3 \quad 0000\ 0011$$

		8
0	0	0
0	1	0
1	0	0
1	1	1

⌐ 0000 0011   ι ι | i

1   0000 0001

OR

5   0000 0101
1
3   0000 0011
---
7   0000 [0111]

		OR
0	0	0
0	1	1
1	0	1
1	1	1

NOT

0	1
1	0

0 - 128

4 { [0]000 0100
      1111 1011

XOR

		^
0	0	0
0	1	1
1	0	1
1	1	0

0000 0101
0000 0011

[0110]

⟹ Control Statements:

Operator utilization

1   C ... ilin

if
```
if      condition :
        statement
elif    condition :
        statement
else :
        statement
```