5th Sept	Relational Operators :

$>$ $<$ $>=$ $<=$ $==$ $!=$

4 < 10   10 == 10

True   True.

5 > 6

False

5 != 10

True

Logical Operators

and, or, not, xor, xnor

A	B	AND	OR
FAIL	FAIL	FALSE	FALSE
FAIL	PASS	FALSE	TRUE
PASS	FAIL	FALSE	TRUE
PASS	PASS	TRUE	TRUE

NOT (TRUE) = FALSE
NOT (FALSE) = TRUE.

Print (3>5 and 12>7)
   False

print (3<5 and 12>7)
   True

print (4>3 or 2>5)
   True.

Assignment Operators

$=$ $+=$ $-=$ $*=$ $/=$ $\%=$ $//=$ $**=$

$a += 3$ # $a = a+3$ $a = 5+3$

a
8

Syntax :

Var = Var + Var.

Special Operators

1. Identity Operators :

is,   is not

Ex:- $a = 9$
$b = 9$

a is b   a is not b
= False   = True.

2. Membership Operator

in , not in.

I am a member of your family - False - in
I am not a member of your family - True - not in

You are a member of your family - True - not in
You are not a member of your family - False - in

Ex:- Pet = ['dog', 'cat', 'cow', 'rabbit']

'cat' not in pet
· False.

'lion' not in pet :
· True.

Conditional Statements :-

If is allow us to make decision in code.
They check conditions (expression that result
in true or false).