

Arithmetical operators

+ , - , X , $\frac{a}{b}$

+ , - , * , / , \sqrt{a} , cube
10per^a division 1/3

Loop & Variable

a = 10

b = 20

a = 5
b = 10

a = b
b = a

a = b
b = a

a = b
b = a

Input / Output, String Manipulation
and comments

Input / Output devices

print () \rightarrow output

input () \rightarrow input

Print ("Something") // output
↳ Something
Age = Input (Age: ") // Input
Age (Age)

→ age:

We next can give an number

age: 12

→ age: 12 // o/p

12

puquarao

⇒ We need an array *larr*

boy-name

Ram

boy name = Ram
char - u - Seta.

boy_name = Input ("boy-name=")
boy_name = Input ("boy-name=")
girl_name = Input ("girl-name=")

Print (boy_name " larr " girl_name)

on o/p
name
name

boy_name = Ram
boy_name = Seta.
girl_name = Seta
name

concatenation :-

→ joining one string to another

formatted string

let's print the
age diff -

boy-name = input("boy-name : ")

boy-age = int(input("boy-age : "))

girl-name = input("girl-name : ")

girl-age = int(input("girl-age : "))

age-diff = boy-age - girl-age

print(boy-name + " is " + girl-name + "

age difference " + str(age-diff))

print("boy-name : " + boy-name)

print("girl-name : " + girl-name)

formatted string

print("boy name : " + boy-name + "
girl name : " + girl-name + "
age difference : " + str(age-diff))

$\text{age} - \text{avg} = \frac{\text{abs}(\text{boy_age} - \text{girl_age})}{\text{Observe value}}$

note we moderate mean, if girl age boy
age Anna part 10 add add another - 50
tear bow bow another

Commands on python

logical operators

and or not xor know

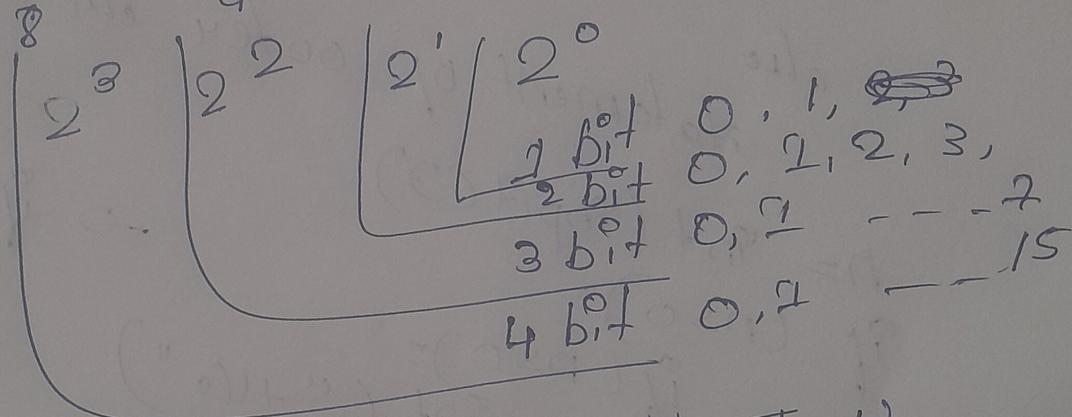
peint $(3 > 5 \text{ and } 12 < 7) \Rightarrow \text{false}$
 $(\neg \neg \text{ or } \neg \neg) \Rightarrow \text{false}$

\Rightarrow assignment operators

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

$a += 3 \quad \# a = a + 3 \quad a = 5 + 3$

sayof $\text{Var} = \text{Var} + \text{Value}$



$13 >> 2 \rightarrow 3$
 $13 << 2 \rightarrow 5^2$
right shift

1101
1101
1101

Tm Tn H + 0

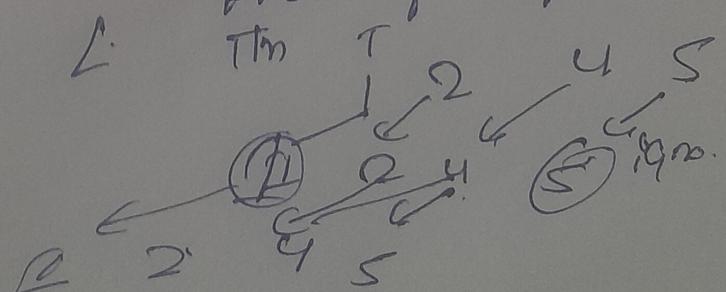
1 → 2 → 4 → 5 → 0 → 5

→ 0 → 2 → 1 → 0 → 1

ignore

at last it come
after 2 time
right shift 12

know left shift



Next level of else

Syntax :-

if (cond 1): Statement of
if (cond 2): #inner if
Statement of inner if

else: Statement of inner else

else Statement of outer else

$n = \text{int}(\text{input}())$

if ($n > 0$)

if ($n > 0$):
print ("+ve")

else print ("zero")

else:
print ("zero")

→ if this is not
satisfied
then if else
part will be