```
Condettonals
                                                16>18 -> fd19
                                      -> if (age >18)!
Besic rule: Trutting & Fally values
                                           elie conge
           -) when ever a value evaluated it return toolean value estsy
              True / false
                                                 "25" == 25 (=) assignment
 Comparison Operators & dogical operators
     (==) \rightarrow equelity , <math>j = (not equel)
                                                       27]-25 V
           7, < , 7= , <=
                                                       ( L == R) ->T
        + we usually compere The licher of take decisions
 dogled opastorse
                                                A B
                                                            AANDB
                                               false folk
                                                            telle
                and 1 or , not
                                               folice true
            if (end, and end2 - .. endn) the false
        and: Both corditions must be True
                                                      Tone and True and The ant The
         or . At least one condition must be Time
                                                         True end True and true
```

if (chall or evals or end) .... evaln); (true) and True

True

not: invests the budlean value.

## Loops

\* It helps us to enecute the same frece of code repeatedly

- 70 For Lup
- \* While
- + Loop Control

for Loop: itades over a sequence

-) range of numbers + 23 ast

-) Stoing - Istem Plottling n

-> ET, type, set, & 1

while doop = repeat until condition is tout

Note of

don't forget to update the condition

counter = 1

while counter <= 5:

print(f"Hello welcome, How are you - {counter}")

Country +-1

D 1<=5 V

(3) 1 <= 5 /

1 1 Z = 5

doop Control:

break ? cnA the loop immediately

confine: Skip to the next execution

## Functions

-) It helps us to enecute a piece of code (same logic) as when reguired

- \* Defining a turction
- + Calling a function
- or perameters & enguments
- \* return
- \* tunction scape

Defining a ten chim:

defent void \_\_\_\_ which

which holes the value form call a

return value

def add(a,b,c):

Celling a function ;

return atttc

-) which antern actual metuc merage = furc name ( aguments )

٥٩٩ (١, ٢/٦)

print (func\_name (confuments))

Parameter & arguments

- default parameters

- Rejured parameters

decoretor!

+ defeult englinent 4 Positional agument

\* named argument

+ keyword aguments

#### Return values;

- + no return value
- \* return a value
- + return a moliple value

# functional scope:

4 Glabert vansente & aghbort scope

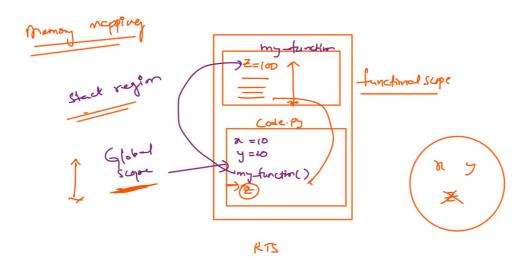
access

4 Contin

4 contin

4 any where

4 focal veriable has local scape



### Noteo