

19-04-2025

Agenda

loop 4 functions

for loop

```
for i in iterator:  
    do something
```

- limit
- how many times, to do something?
- fun for 100 rounds:

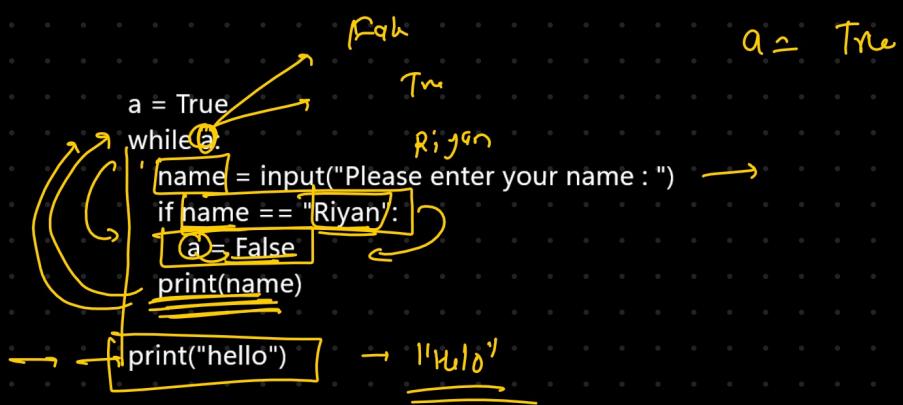
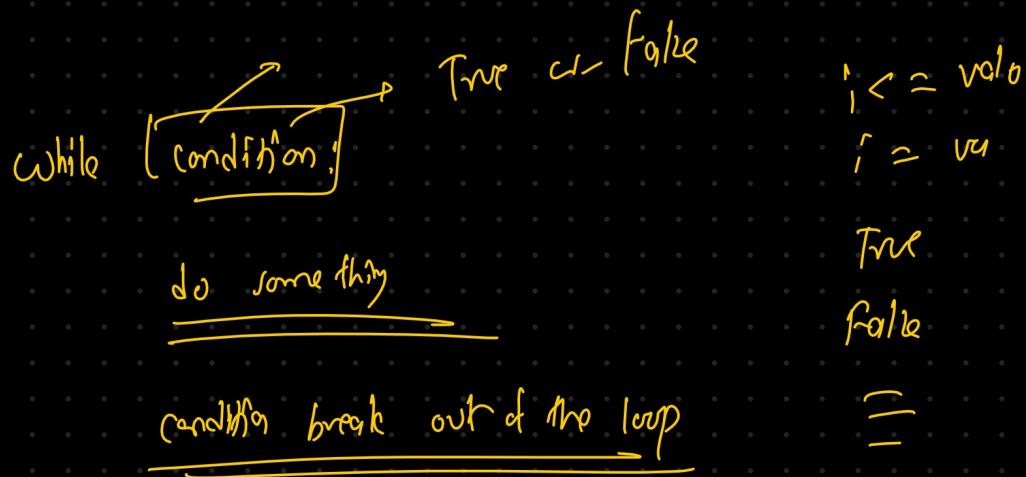
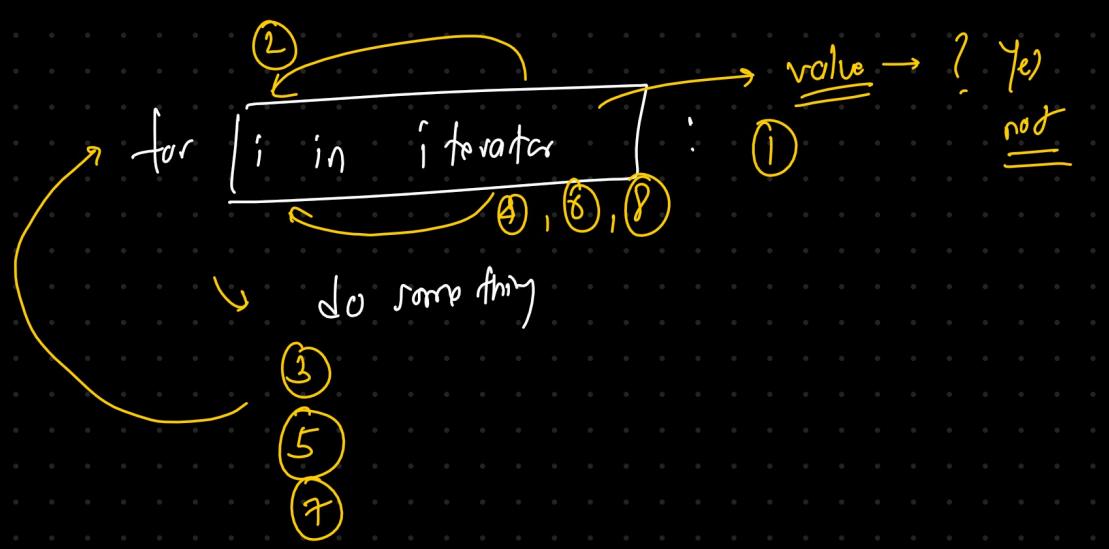
while:

→ fun until you are tired

→

```
while Condition:  
    do something
```

condition that while help in stopping



function

→
cell

for i in range(0, 10):
 print(i)

10 →

run
open

a = int(input())
b = int(input())
print(a + b)

→ addition of
2 values

def add():

a = int(input())
b = int(input())
print(a + b)

function definition

add() → function calling

function parameters:

def add(a, b):
 print(a + b)

→ a ← add parameter → b

print(a) → X → scope of variable

```
def add(a,b):
    print(a+b)
```

add() → X

Default values

```
def add(a=0, b=0):
    print(a+b)
```

add() → 0
 add(1, 2) → 3
 add(1) → X
 a, b

Non-keyword argument

*args → tuple

```
def add_multiple_value(*args):
    sum = 0
    for val in args:
        sum+=val
    print(sum)
add_multiple_value(1,2,3,4,5)
```



```
def get_names(name_1 = "krish", *args):
    for i in args:
        print(i)
get_names("monal", "krish", "mohit", "mohammad")
```

Keyword arguments:

→

*args → tuple

**variable-name → dictionary

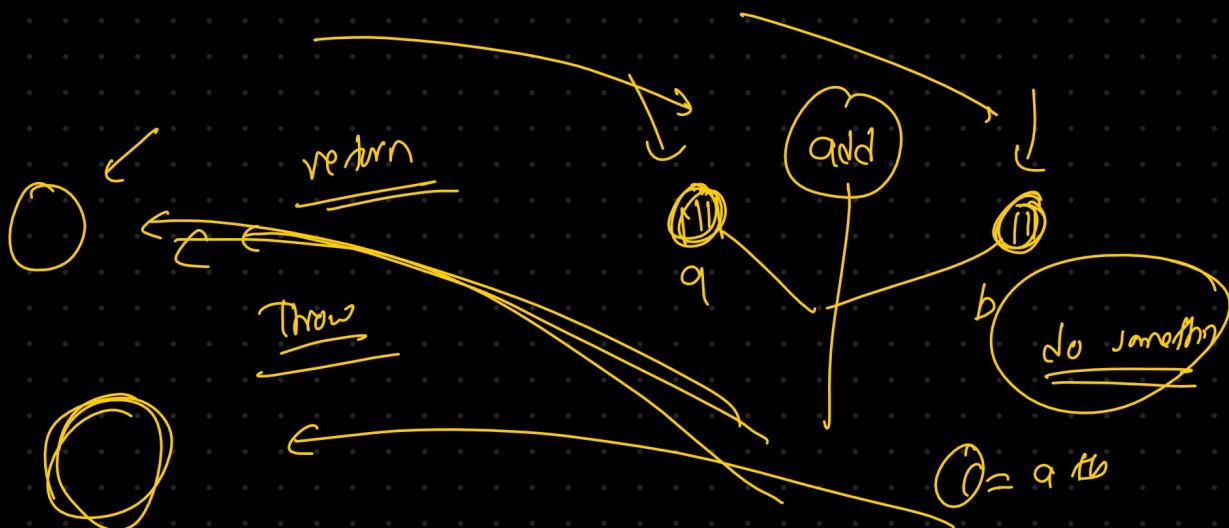
def add(a, b, c):

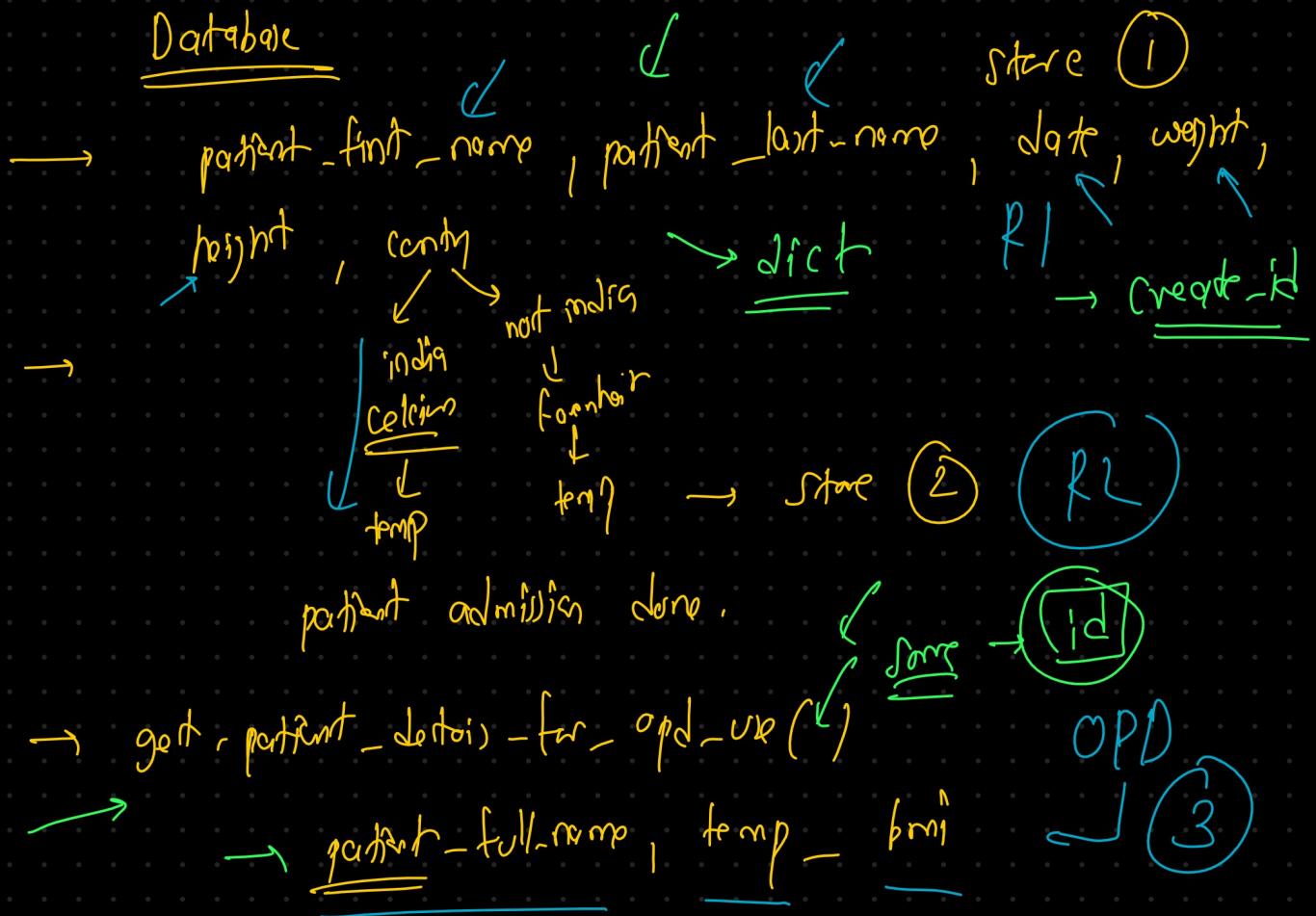
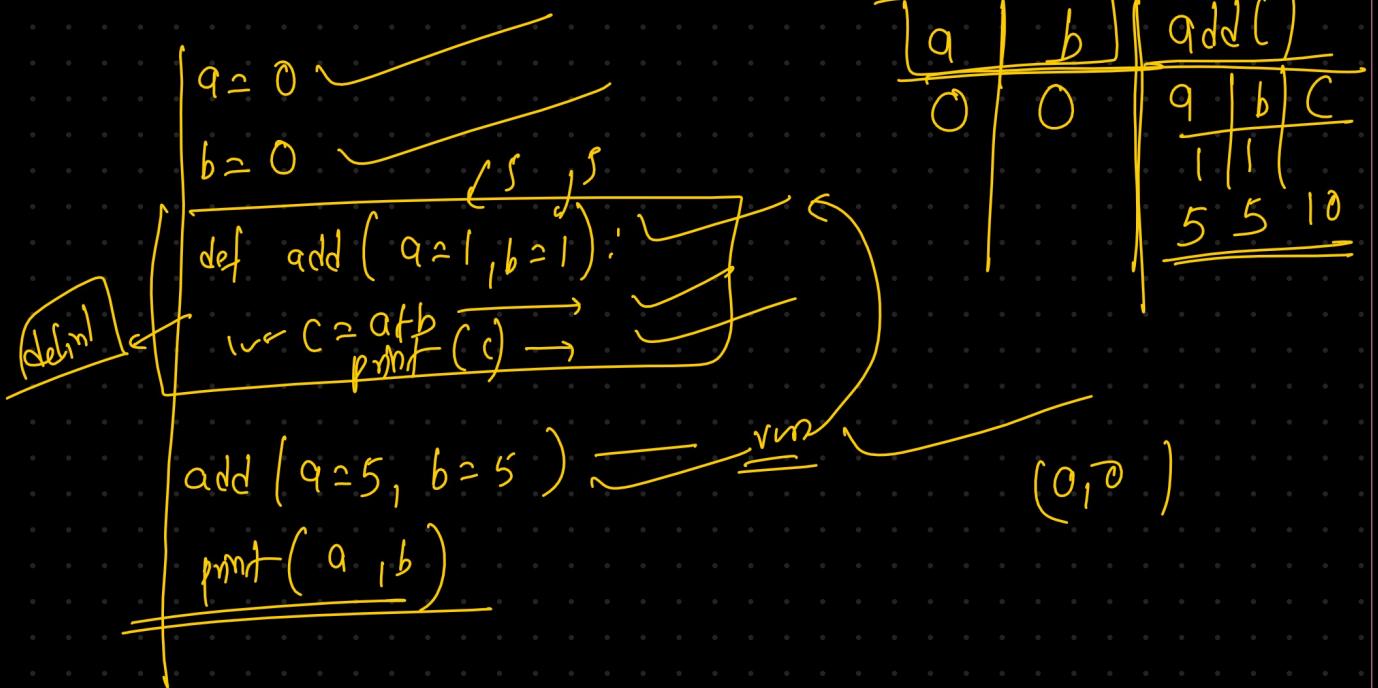
 print(a + b + c)

a=1, b=2, c=3
=====

{
 a: 1,
 b: 2,
 c: 3

kwargs.get("a") → 1
 .get("b") = → 2





global a = 3
func

name = "me"

x : x
2 : x

→
→
→
→

