### Hello everyone

- 1. Looks/ Iteration for by while
- 2. Range
- 3. Few Questions / First real assignment

### Iteration / Looping

Need of looping? => To do some action
or task which is
similar or exactly
some voice than
one time

The Issue is that if we don't loop our code becomes unneccessarily long & complex.

=) Simple =) As small as possible }

DRY

Do not repeat

yoursey.

We write looks when we have to run a cell multiple cells

In python, we have 2 loops

1. While

2. Fox

do,... while

doesn't exist in hymon,

## While loop

# Syntax :

While Conditional:

| logic of what to do Conditional conditional

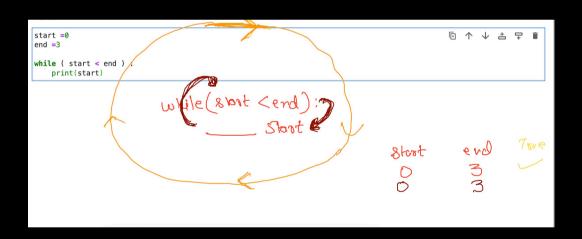
To make sure

It doesn't end

Up as a co

loop, make sure

to update the rendition



andhor xo

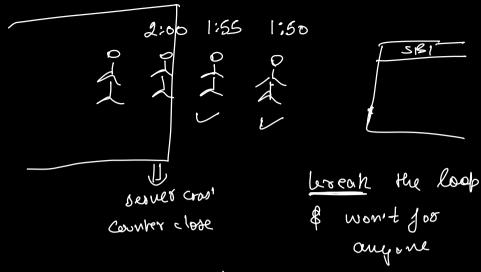
Corrd

The will continue

We will continue

Working for

Others eyrer(3)



# Break Statement

I deally, loop only ends when its conditions becomes jaloe

But But, we can also end the loop & come out of iteration by wing break Reyword.

#### Continue

```
start =-2
end=2

while(start<end):
    if(start ==0):
        start +=1
        continue

    print(100/start)
    start +=1 # start = start +1

print("I am outside of loop")</pre>
```

In continue we go to the next iteration.

Whereas in level we were coming out of loop.

After break or continue is faced, no statement is executed for that particular loop.

# For loop

while it is onother loop. like statements iteratively Help us to sun sequence / jeralle.  $\alpha$ ON element 218 xsbri 3-alc for elem in a. while start < 3: s [start] stert = stoot fl 50 计 works on

> For loop handles increment offer a single iteration gets completed.

condy.

Synlax;

We use for bop when working on with an iterable and while loop when you are working with a cond ...

I dustry use cases

- 2) email problem
- =) numbers + 91,-9999
- 2) fend OTP or leg in mag.
- 3 som miliple

You have to create a hython notebook & mail it to

mayank @ incommati with sobject

"FSDS -AT"