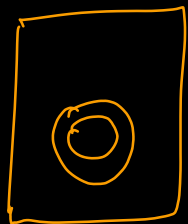


Hello Everyone

## Functions

1. What is a f<sup>n</sup>
2. How to define a f<sup>n</sup> in python
3. Args vs parameters
4. Scope of variable
5.  $\lambda$  f<sup>n</sup>
6. Map & filter f<sup>n</sup>

## Function



one f<sup>n</sup>  $\Rightarrow$  wash



len ( )  $\longrightarrow$  length  
 $\rightarrow$  input  $\rightarrow$  output

## Return vs void

When a fn  
return something,  
it is a return  
type fn

When nothing or None  
is returned

① ⇒ def fn name (\_,\_,):  
      ↓  
      keywor-

---

---

---

---

① Function def<sup>n</sup>

② Function calling

## Parameters vs Arguments

def ~

calling

return vs void

common fn sense

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

```
    _____  
    _____  
    _____  
    _____
```

a, b = parameters  
of fn

```
add (g, h)  
# calling
```

g, h  $\Rightarrow$  argument  
passed while calling  
a fn



100  
95 ~ 99

Best



5-10

2 weeks down

1/2 of them

25 recorded class

4 weeks down

25

understanding

books AI

Laptop College

6 weeks down

they will never make

own notes

just see class as movie

no practice

8 weeks down

5-10

Sincere  
learning everything

doing / doubts asking

Job



while defining your f<sup>n</sup>,

default params cannot be

followed by non-default params

```
Cell In[112], line 1
    def completeMyNumberBetter2(phoneNumber, countryCode="+91", country):
        ^
SyntaxError: non-default argument follows default argument
```

while calling, positional cannot follow  
parameter org.

```
Cell In[120], line 1
    add10(b=10, 5, 15)
        ^
SyntaxError: positional argument follows keyword argument
```

## Scope of variable

Local variables  $\Rightarrow$  They are variables whose scope is limited inside a loop, function or conditional

Global Variable = They can actually be used anywhere inside your code.