Welcome back everyone

Today's Agenda

1.] λ function
2] Map function
3] Filter function

4] OOPS concepts.

Reduce
enumerate

Assignment

Speed

4month ⟹ Non tech
Programming. }

100 ─┤ → 20
     └→ 80] → (100%)

Lambda Function

Nameless function

⇒ Single line

⇒ no name function

⇒ Keyword lambda is used

⇒ It is generally used to pass as an argument in higher order function

lambda ⎯⎯⎯ : ⎯⎯⎯
          argument   work

⇒ no indentation to worry

⇒ good for minimal use case where writing full f^n will be extra work

lambda   a, b, c :- _____   (1, 2, 3)

lambda   argument (s) :- expression

$\Rightarrow$ no name f^n

$\Rightarrow$ single line

$\Rightarrow$ very easy

In python, you can pass function as
an argument.

Higher Order function

When a function accept another fu
as an argument.

Map function in python
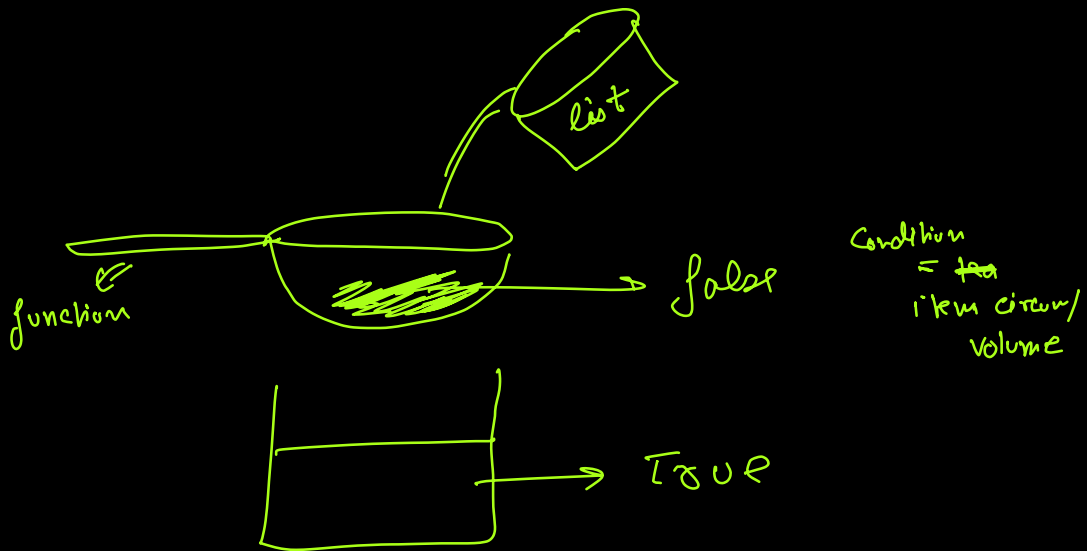
map (function , iterable)

Apply the function to each value in iterable

It returns a map object which can be converted to a list, tupple etc.

Filter

Filter (function , iterable)

Select elements from an iterable
based on condition in function

list

function

False

True

Condition
= ~~tea~~
item cireum/
Volume

Enumerate

Str1 ⇒   P Y T H O N   ← element
         0 1 2 3 4 5   ← index

for elem, in str1:

Reduce

We are reducing our iterable

[1, 2, 3, 4, 5]

③

⑥

10

15