Welcome all

Sklearn. ——→

MAE vs mse
⇓ ⇓

pow(2,3)
Sqrt( )
⇓
Intuition

Agenda for Today

1. For with else
2. Nested loop.
3. Questions on Python / Assignment
4. List

For loop with else statement

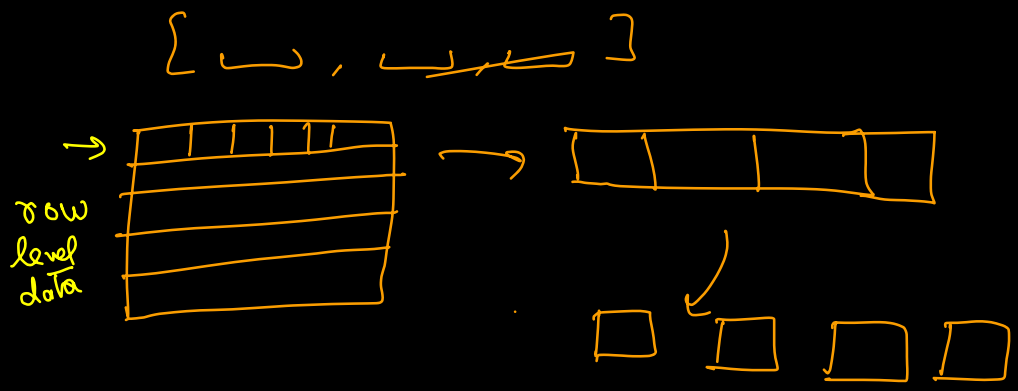
While loop runs on a condition & stops when condn fails

vs

For loop in python whereas loops on a seq (list, range, str) & stops when it has ran over all elements of sequence or no. of times = len of seq.

Nested loop

Loop inside a loop



[abc @ gmail.com , def @ ___ , ghi @ ___]

1st loop abc @ gmail.com

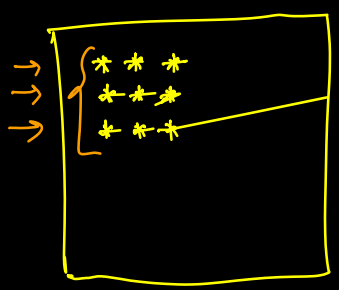
2nd loop a b c @ g m a i l . com

Syntax

```
for <var> in some seq :
    for <var2> in some seq :
        ...
```

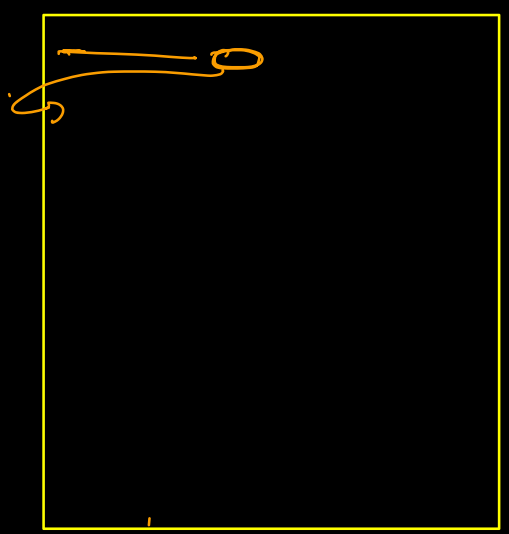
```
i = 0
j =0

while i<3:
    j = 0
    while j<3:
        print("i is " + str(i),end = " ")
        print(" j is " + str(j))
        j = j+1
    i = i+1
```

```
i is 0  j is 0
i is 0  j is 1
i is 0  j is 2
i is 1  j is 0
i is 1  j is 1
i is 1  j is 2
i is 2  j is 0
i is 2  j is 1
i is 2  j is 2
```



outer loop → lines

inner loop.



we cannot go back to the previous line

so always make sure to do pattern questions by line

Lists in python [seq]

List is a list.

⇒ It is used to store multiple values of same or different data type under a single variable.

⇒ They are defined by [ ]

[1, 2, 3, 4] ⇒ list

[1, "mayank", True, 3+5j, 45] ⇒ list

List Items:

List items are ordered
changable
& allow duplicates.

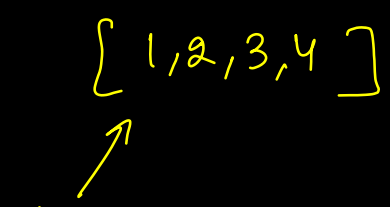
List it is a seq ⇒ it supports indexing & slicing

l = [1, 2, 3, 4]

l [0] = 1

l [2] = 3

list objects are iterable



iterate on them