<29/09/2025, Monday>

Slicing:

[start position: Stop position: Step size]

default start pos is '0'.
-(— Stop is end
-(— Step is 1.

l1 = ['a', 2, 'e', 9.5, 'midhun', True, 'vijji', 34, 99.9]
0 1 2 3 4 5 6 7 8

1) print elements from 'a' to True.

l1 [0:6] op! ['a', 2, 'e', 9.5, 'midhun', True]

2) print odd position elements.

l1 [1:9:2] (or) l1 [1::2]

l1 [:] -> to print all elements.

3) Last 3 elements.

l1 [-3:]

~~print the elements divisible~~

4) print the elements whose position is divisible by 3.

```
l1[3::3]
```

5) Write a program to find the max item from list without using max fun.

```
l2 = [4,6,1,9,2]
max_num = l2[0]
for i in l2:
    if (i > max_num):
        max_num = i
print(max_num)
```

max_num = 4

i in l2

4 > 4 x

'i' will increment

6 > 4 ✓

max_num = 6

1 > 6 x

9 > 6 ✓

max_num = 9

4) l3 = [1, 2, 3, 3, 3, 4, 4, 5, 6, 7, 8, 9, 9]

Remove duplicates from the list.

```
l3 = [1, 2, 3, 3, 3, 4, 4, 5, 6, 7, 8, 9, 9]
new_l3 = [ ]
for i in l3:
    if i not in new_l3:
        new_l3.append(i)
print(new_l3)
```

o/p : [1, 2, 3, 4, 5, 6, 7, 8, 9]

5) Remove all occurence of item 20

```
List1 = [5, 20, 15, 25, 50, 20]
List 1 = [5, 20, 15, 25, 50, 20]
for i in list1:
    if (i == 20):
        list1.remove(20)
print(list1)
```