

01-12-23

Unit - 4

Day 58

LIST, TUPLES & DICTIONARIES

• List ([])

- sequence of values / Elements of items - values.

→ creating list

• Three ways

① [val] (Eg: list = [10, 20, 30])

② Empty list = []

③ Nested list

A = [10, 20, 30, [1, 2, 3]]

→ Assigning list values to variables

A = []

A = [10, 20, 30, 40]

→ Accessing list elements.

square bracket [] and subscript / index value.

Eg: A = [10, 20, 30, 40]

print(A[2])

→ Negative Index.

print(A[-2])

→ List operation.

1) Concatenation (+)

2) Repeat (*)

Eg: A = [10, 20, 30]

B = ["Anu", "Balu", "Chandra"]

C = A + B

↳ Eg: A = [0] * 5

print(A)

→ List slices.

[start, stop, step]

↓
0

↓
n-1

↓
1

→ default values

A = [1, 2, 3, 5, 7, 9, 12]

print(A[3:5])

print(A[-1:-3])

→ List methods.

append() - Add at end of the list.

extend() - Add elements from list1 to list2

insert() - insert at index pos

remove() - remove elements

pop() - delete and print

clear() - Emptying

index() - Return index value.

count() - Count similar value.

sort() - Ascending/descending order

reverse() - reverse the order.

copy() - returns copy of the list.