Chapter 4 Lists and Tuples

Python lists are containens to store a set of value of any data type

List Indexing

A list can be indexed just dile a string.

LI[0] => 7, LI[4] -> comon

Print (a[8])

Mote: us san such a list with items of

Note: List slicing is as same as Staing slicing

* List Methods

Consider the following lust: [1 = [1,8,7,2,21,15]

1.) LI. SOUTE(): v dater list to [1, 2, 7, 8, 15, 21]

2.) [1.8,7,8,1] at tist to [15.21,2,7,8,1]

3) Li append(8). adds 8-at the end of the list

4.) LI insert (3.8). This will add 8 at 3 index.

5.) LI. pop(2): Will delete element at index 2 p

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* Toples gn Python.

A tuple in an immutable data type in Python.

a = () -> compty tuple

a = (1) => Tuple with only one dement needs

a=(1,7,8) > Tuple with more than one

cg:
$$t = (1,2,3,4)$$

Print($t[0]$)

$t[0] = 6 \rightarrow \text{error} \text{ (on suplocing)}$

once defined a tuple's elements can't be altered on manupulated.

X Tuplus Methods

Gonsider the tople:

a = (1,7,8)

- 1.) a count(1): a count(1) will return no.
- 2.) a index(1): a index(1) will return the index of first accurance of 1

eg: t=(1,2,3,5,1,1,6)Print $(t\cdot index(1)) \rightarrow 3$ Print $(t\cdot index(1)) \rightarrow 0$