Tuple Operators 1) + (concotination Operators) 2) * (supertition ") 3) [] (slice Operator) 5) [i] (senge slice Operator) 6) in (membership ") - leturns hue if slamost found 6) in (membership ") - leturns hue if slamost found 7) not in (membership ") - " Notes Interconnot add or umore slamosts Notes Interconnot add or umore slamosts Notes Interconnot add or umore slamosts

* Tuple is immutable

Fuple functions and Methods 14/09/20 1) lenc): to find the length of the tuple Ex: t1 = (1,2,3, "norg", 3.4) print (len(+1)) -> 5 3) maxes: to find the maximum in tuple. Ex += (1,2,3,4,5) print (max(+1)) t1 = ("c", "java", 'php", "python") print (mox(11)) -> python 3) men(): to find the minimum in tuple Ex = (1,2,3,0,5) print (min(t)) +1= ('c", 'java") print (min(t1)) -> c 4) Sum(): to add all Eliments in tuple

4) sum(): to add all Eliments in tuple

Exi t= (1,2,3,4,5)

print (sum(t)) -> 15

#climes is performed only on integers.

5) tuple (): to convert any sequence into tople. ET' str1 = "python" t1 = tuple (str1) print (+1) -> ('p', y', t', b', o, n') 151 = [1,2,3,4,5] to= tuple (1s1) prot (ta) -> (1,2,3,4,5) 6) soiled (): - Used to soit are elements in tuple in asending Order. Ex= tup5 = (1,3,2,4,8,7) print (sorted (tops)) -> 1,2,3,4,7,8 -lupb = (php", java", "c") print (Soiled (top6)) -> ['c', 'gava', 'php'] # Souled Elements when all the Elements in sorted under in list format. count(): It retuens the count of superition of particular etern in a l'tople 7) Ez. DAW = (115131515) A12,6) cnt = num. count(2) print (cnt) # 11 particular Element visas not found it

when Zue

: It utuens the index of on item 8) andex() or for dufficate Element it Retourds first Occurre of the Element endex of 11 Elment not found it of throws c: t1-(p,y,+,b,o,n,p,*,o,g) print $(t1. index ('i')) \rightarrow 2$ print $(t1. index ('p')) \rightarrow 0$ print (t1. index ('p', 3,10)) -> 6 Start End Endexing indexing Print (+1. index (3')) -> Value Error town of the last bearing and the state of t

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LAIS

* Number Datatypes in python

number without any definal point

>> Integer datatype (any tre on -re on suo con unlimited

>> float datatype (any tile (or) we now with attent One decimal loint)

>> Complex datatype.

(In eython j -> tuated as imaginary part)

Ex x = 3j

print (type(x))

-> ¿class 'complex'>

Y= 234+6j

z = u56 - 5i

a) to perform different dithmetic Oquations on numbers in Py.

a = float (input ("Enker any number: "))

print(a)

print(a)

2e5

b = float (input (" Enter any number; "))

3) progrem to cuate, containate and print a string of shing and accessing obushing from a givenshing