1st Assesment. Marne-Prachi Atul Deshmukh
Subject-Data Associates.

Date-29/06/2024. Q1. Explain Tuple. - Tuple is a collection which is - List is a collection which is ordered & ordered and chanage changeable. unchangeable. - Cound brackes - Square brackets [] Dare used in list. Oare used in tuples - Tuple is immutable - List is a mutal. -eg- Tup= ("Cherry" -eg- L=[1,2,3,4,5]

print (L) where out "Orange", "Apple"). I print (Tup) Dets are nused to store multiple items in single variable.

(2) Set is one of 4 built in data type in python. 3) A set is a collection which is unorded and unchangeable. Duplicates are not allowed

Sets are defined in 87 in the set of the contract of the contr DE Print (L) 93° Integer is most commonly

ised data types in python.

used data types in python.

- An integer is a number decimal point.

without a decimal point. = Floot vicono mumber with Floating point.

Float division gives a decimal.

Thegers care the values that,

have decimal point. a month of our agul. into 1 + 3 A 13. adsider (10/16/3/1/m)

The Key difference e lists and tuples are collections. In python hile - List are mutable ubile tuples are immutable - Sets aré unordered collection of unique elements - while dictionaries are key data) value pairs for efficient) retrival. -Eg-my-dict DE A docstring is a string used to document a python module class for function observes the ostil soft control 2) It's specified insource code that is used like a comment to down document a specific segment of code.

re Hathematical
process
reans 3) This operator person This Hoperator divides

This Hoperator divides

inst number and your

remind re second the riequally. To compare object ially operators

equality operator.

The - The == operator compares

the value or equality

two objects two objects.

Eg - x = 2 then value of x = 2 x is 2. -x = 3 $y = 3 = = -\frac{1}{4}$ 08.

Dets you addituorvalues

together and assign the resultant

value to a variable of This operator is often and the referred to as the raddition as signment operator aircrampons 3 += operators adds two value

together and assign the final

value to a variable of the 9 Syntaxion Warranger 21 tot. variable - name + = value. a = 10. a+=7.5 print (a).

20 In Python, the in operator

is used element exists in

a given or not. 2) The inditional statements, element in sequence. print (lin/list). prints True to tif the value of is found in list, and False Totherwise ... 910. -> Diternary aperatoris a conditional aperator in evaluate expression based on Condition B) It is commonly représented by !" (ondition ? expression ?".

