**Que.1-Introduction to tuples , immutability.**

**Ans.**

Tuples is a collection structures same as a list. But tuples is immutable it means it’s elements cannot be changed after they assigned.

Ex.,

#create tuple Fruit

Fruit=(‘apple’,’orange’,’banana’)

#access tuple

Print (Fruit)

* Immutability:-

It means user cannot modify existing element or no changes in tuple’s size.

**Que.2-Creating and accessing elements in a tuple.**

**Ans.**

* Creating tuple:-

Creating tuple using ‘( )’ parentheses.

Ex.,Sample=(1,12,123,1234,12345)

* Accessing elements in tuple:-

Access elements using tuple’s

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Ex.,#displayed first value of tuple

Print (sample[0])

**Que.3-Basic Operations with tuples : concatenation , repetition and membership.**

**Ans.**

* Concatenation:-

Concatenation means combining or joining for two more tuples. it’s process using ‘+’ operator.

* Ex.,

Tuple1=(1,2,3,4)

Tuple2=(‘soham’,’prem,’meet,’sahil’)

#it’s displayed combine tuple1 & tuple2

Print (Tuple1+Tuple2)

* Repetition:-

Repetition means

Iterate certain number of times. it’s action perform by 2 concept.1)using for loop 2)simply using (‘\*’) operation.

* Ex.,(I)

Tuple=(‘soham’,’shyam’,’raj’)

#it’s displayed 6 time to tuple…

For I in range(0,6):

Print(Tuple)

* Ex.,(II)

Tuple=(‘soham’,’shyam’,’raj’)

#it’s displayed 5 time to tuple…

Print(Tuple\*4)

* Membership:-

Membership is using for check specific element exist in a specific tuple.

* Ex.,

Tuple=(‘Soham’,’Shyam’,’Raj’)

#check ‘Shyam’ exist in a tuple

Result=’Shyam’ in Tuple

Print (Result)