***Python Assignment***

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**1. Program to get 4th element and 4th element from last of tuple**

tuple = ("p","y","t","h","o","n","c","l","a","a","s")

print(tuple)

print("The 4th element of tuple :",tuple[3])

print("The 4th element from the last of tuple is :",tuple[-4])

**Output:-** ('p', 'y', 't', 'h', 'o', 'n', 'c', 'l', 'a', 'a', 's')

The 4th element of tuple : h

The 4th element from the last of tuple is : l

**2. Program to create the colon of a tuple from copy import deepcopy**

tuple = ("s","d","p","b",2,[],"g","i","t","a","m")

print(tuple)

tuple\_colon=deepcopy(tuple)

tuple\_colon[5].append(51)

print(tuple\_colon)

**Output:-** ('s', 'd', 'p', 'b', 2, [], 'g', 'i', 't', 'a', 'm') ('s', 'd', 'p', 'b', 2, [51], 'g', 'i', 't', 'a', 'm')

**3. Program to find the repeated items of a tuple**

tuple = ("s","d","p","b",2,"g","i","t","a","m",2,0,2,0)

print(tuple)

print("The number of times the item repeated in the tuple is :",tuple.count(2))

**Output:-** ('s', 'd', 'p', 'b', 2, 'g', 'i', 't', 'a', 'm', 2, 0, 2, 0) The number of times the item repeated in the tuple is : 3

**4. Program to remove an item from a tuple**

tuplex= "s","d","p","b",2,"g","i","t","a","m"

print(tuplex)

tuplex= tuplex[:2] + tuplex[3:]

print(tuplex)

listx = list(tuplex)

listx.remove("a")

tuplex = tuple(listx)

print(tuplex)

**Output:-** ('s', 'd', 'p', 'b', 2, 'g', 'i', 't', 'a', 'm')

('s', 'd', 'b', 2, 'g', 'i', 't', 'a', 'm')

('s', 'd', 'b', 2, 'g', 'i', 't', 'm')

**5. Program to check whether a element is exist or not in a tuple**

tuple = ("s","d","p","b",2,"g","i","t","a","m")

print("r" in tuple)

print(2 in tuple)

**Output:-** False True