Tuple
Data Types

Albert Zaqaryan Lesson 13

PythoN

A tuple is a sequence of immutable Python objects.

```
a = ()          print(type(a))

b = tuple()     print(type(b))
```

```
tup1 = ('physics', 'chemistry', 1997, 2000)
print(tup1.__sizeof__())
```

```
thistuple = ("apple", "banana", "cherry")
print(len(thistuple))
```

```
thistuple = ("apple", "banana", "cherry")
print(thistuple.count('banana'))
```

```
thistuple = ("apple", "banana", "cherry")
if "apple" in thistuple:
  print("Yes 'apple' is in the fruits tuple")
```

```
thistuple = ("apple", "banana", "cherry")
for x in thistuple:
  print(x)
```

```
thistuple = ("apple", "banana", "cherry",'kiwi')
print(thistuple[1])  [1:2]
```

Reversed the tuple

```
x = (5, 10, 15, 20)

y = reversed(x)
print(tuple(y))
```

Negative Indexing

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```
thistuple = ("apple", "banana", "cherry",
"orange", "kiwi", "melon", "mango")
print(thistuple[-4:-1]),[-1]
```

JOin two tuple

```
tuple1 = ("a", "b", "c")
tuple2 = (1, 2, 3)
tuple3 = tuple1 + tuple2
print(tuple3)
```

```
num = [10,20,30,(10,20),40]
c = 0
for n in num:
    if isinstance(n, tuple):
        break
    c += 1
print(c)
```

```
tup = ('e', 'x', 'e', 'r', 'c', 'i', 's', 'e',
's')
mystr =  ''.join(tup)
print(mystr)
```

1. Write a Python program to count the elements in a list until an element is a tuple.

2. Write a Python program to reverse a tuple.

3. Write a Python program to find the length of a tuple.

4. Write a Python program to convert a tuple to a string.
5.Write a Python program which calculate the count of item in tuple for example: my_tuple = (1,12,15) output:28.
6. Write a Python program to find name in tuple.