# tuple

In

[

]:

In

[2]:

()

*#tuple is a collection data type which is similar and diss-similar*

*#data element in a single entity*

*# tuple is represented by ()*

*#tuple is immutable (not changable)*

*#m.imp : difference between list and tuple*

LIST

TUPLE

mutable

(

changable

)

immutable

(

**not**

changable

)

*#blank tuple*

t

**=**

()

print

(

t

)

In

[3]:

t

**=**

(

12

,

53

,

76

,

23

,

95

,

34

)

print

(

t

)

(12, 53, 76, 23, 95, 34)

In

[5]:

python

*#if there is single element in tuple,*

*#the data type by default consider as a string!!!!!!!*

t

**=**

(

"python"

)

print

(

t

)

print

(

type

(

t

))

<class 'str'>

In

[6]:

(

'python',

)

*#if we put comma:',' after single element in tuple,*

*#the data type will be consider as tuple*

t

**=**

(

"python"

,)

print

(

t

)

print

(

type

(

t

))

<class 'tuple'>

In

[8]:

(12

, 53, 76.23, 'python', 'java', 'Android'

)

*#accessing the values from tuple*

t

**=**

(

12

,

53

,

76.23

,

"python"

,

"java"

,

"Android"

)

print

(

t

)

**for**

i

**in**

t

:

print

(

i

)

12

53 76.23 python java Android

In

[23]:

'c', 'python', 54, 'java', 'Android'

)

(

*# type conversoin*

t

**=**

(

"c"

,

"python"

,

"java"

,

"Android"

)

print

(

t

)

print

(

type

(

t

))

l1

**=**

list

(

t

)

print

(

type

(

l1

))

l1

[

1

]

**=**

"jquery"

print

(

l1

)

<class 'tuple'>

<class 'list'>

['c', 'jquery', 54, 'java', 'Android']

# set

In

[16]:

{96

, 65, 5, 'hello', 12, 'python'

}

*# set : set is represented by {}*

*# it contain similar and dis-similar elements in a single entity*

*# set is unorderable, unindex and it will remove deplicate elements*

s

**=**

{

12

,

5

,

96

,

65

,

5

,

12

,

96

,

"hello"

,

"python"

,

"hello"

}

print

(

s

)

In [15]: s **=** {}

print

(

s

)

{}

In

[2]:

[12

, 34, 45, 23, 45, 6,

12]

l1

**=**

[

12

,

34

,

45

,

23

,

45

,

6

,

12

]

print

(

l1

)

l1

**=**

list

(

set

(

l1

))

print

(

l1

)

[34, 6, 12, 45, 23]

In [ ]: