元组

```
In : tup = (1, 2)

In : tuple([1, 2])
Out: (1, 2)

In : list((1, 2))
Out: [1, 2]
```

```
> python -m timeit '["fee", "fie", "fo", "fum"]'
10000000 loops, best of 3: 0.0844 usec per loop

> python -m timeit '("fee", "fie", "fo", "fum")'
10000000 loops, best of 3: 0.019 usec per loop
```

```
In : tup = ()

In : tup = (1)

In : tup is 1
Out: True

In : tup = (1,)

In : type(tup)
Out: tuple
```

```
In : tup = (1001, 2002, 'Test')

In : tup[1]
Out: 2002
```

```
In : tup[1] = 2001
---------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-110-64935f8038d3> in <module>()
----> 1 tup[1] = 2001

TypeError: 'tuple' object does not support item assignment
```

元组赋值问题

```
In : tup = (1, 2, [3, 4])

In : tup[2] += [5, 6]
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-112-cd710f9ae250> in <module>()
----> 1 tup[2] += [5, 6]

TypeError: 'tuple' object does not support item assignment

In : tup
Out: (1, 2, [3, 4, 5, 6])
```

```
In : (1, 2) + (3, 4)
Out: (1, 2, 3, 4)
```

```
In : tup = (1, 2, 'a', 1)

In : tup.index(1)
Out: 0

In : tup.index(1, 1)
Out: 3

In : tup.index(1, 1, 4)
Out: 3

In : tup.count('a')
Out: 1
```

延伸阅读

1. https://docs.python.org/3/library/timeit.html
2. http://t.cn/RnvaZ6j