字典

```
In : price_map = {'product1': 270}
```

```
In : product_map = {270: 'product1'}
```

```
In : dct = {}

In : dct[1] = 'a'

In : dct['a'] = 1
```

```
In : dct = {}

In : dct['{}_{}'.format('a', 'c')] = 'T'

In : dct = {
        'a': {'c': 'T', 'd': 'N'}
     }

In : dct['a']['c']
Out: 'T'

In : dct[('a', 'c')] = 'T'

In : dct[('a', 'c')]
Out: 'T'
```

```
In : dct = dict(a=1)

In : dct['a'] = 1

In : dct
Out: {'a': 1}

In : dct['a']
Out: 1
```

```
In : dct.get('a')
Out: 1

In : dct.get('b')

In : dct['b']
---------------------------------------------------------------------------
KeyError                                  Traceback (most recent call last)
<ipython-input-140-8466ca6f70f2> in <module>()
----> 1 dct['b']

KeyError: 'b'

In : dct.get('b', 2)
Out: 2
```

```
In : dct['a'] = 4

In : dct['a']
Out: 4
```

```
In : dct.update(a=1, b=2, c=3)

In : dct
Out: {'a': 1, 'b': 2, 'c': 3}
```

```
In : 'a' in dct
Out: True

In : del dct['a']

In : 'a' in dct
Out: False
```

```
>>> dct = {'a': 1}
>>> dct['b'] = 2
>>> dct['c'] = 3
>>> dct
{'a': 1, 'c': 3, 'b': 2}
```

```
>>> from collections import OrderedDict
>>> dct = OrderedDict(a=1)
>>> dct['b'] = 2
>>> dct['c'] = 3
>>> dct
OrderedDict([('a', 1), ('b', 2), ('c', 3)])
```

```
In : dct = dict(a=1, c=2)

In : dct.keys()
Out: dict_keys(['a', 'c'])

In : dct.values()
Out: dict_values([1, 2])

In : dct.items()
Out: dict_items([('a', 1), ('c', 2)])
```

```
>>> dct = dict(a=1, c=2)
>>> dct.iterkeys()
<dictionary-keyiterator object at 0x107099cb0>
>>> list(dct.iterkeys())
['a', 'c']
>>> list(dct.itervalues())
[1, 2]
>>> list(dct.iteritems())
[('a', 1), ('c', 2)]
```

延伸阅读

1.https://docs.python.org/2/library/collections.htm l#collections.OrderedDict

2.https://developers.google.com/edu/python/dict-files