```
In [1]: d = {}
```

```
In [2]: type(d)
```

Out[2]: dict

```
In [3]: d1={1:'onr',2:'two',3:'three'}
        d1
```

Out[3]: {1: 'onr', 2: 'two', 3: 'three'}

```
In [4]: d1.keys()
```

Out[4]: dict_keys([1, 2, 3])

```
In [5]: d1.values()
```

Out[5]: dict_values(['onr', 'two', 'three'])

```
In [6]: d1.items()
```

Out[6]: dict_items([(1, 'onr'), (2, 'two'), (3, 'three')])

```
In [7]: len(d1)
```

Out[7]: 3

```
In [10]: d2={'one':'ajay','two':'ayyappa','three':'gopi','four':'prasad','five':'harsha'}
         d2
```

Out[10]: {'one': 'ajay',
          'two': 'ayyappa',
          'three': 'gopi',
          'four': 'prasad',
          'five': 'harsha'}

```
In [9]: d2
```

Out[9]: {'one': 'ajay',
         'two': 'ayyappa',
         'three': 'gopi',
         'four': 'prasad',
         'five': 'harsha'}

```
In [11]: len(d2)
```

Out[11]: 5

```
In [12]: d2.keys()
```

Out[12]: dict_keys(['one', 'two', 'three', 'four', 'five'])

```
In [13]: d2.values
```

Out[13]: <function dict.values>

```
In [14]: d2.values()
```

Out[14]: dict_values(['ajay', 'ayyappa', 'gopi', 'prasad', 'harsha'])

```
In [15]: d2.items()
```

Out[15]: dict_items([('one', 'ajay'), ('two', 'ayyappa'), ('three', 'gopi'), ('four', 'prasa
         ('five', 'harsha')])

```
In [ ]:
```