Python

Python

Dictionary

Dictionary methods

Method	Description
dic.clear()	Remove all the elements from the dictionary
dict.copy()	Returns a copy of the dictionary
dict.get(key, default = “None”)	Returns the value of specified key
dict.items()	Returns a list containing a tuple for each key value pair
dict.keys()	Returns a list containing dictionary’s keys
dict.update(dict2)	Updates dictionary with specified key-value pairs
dict.values()	Returns a list of all the values of dictionary
pop()	Remove the element with specified key
popItem()	Removes the last inserted key-value pair
dict.setdefault(key,default= “None”)	set the key to the default value if the key is not specified in the dictionary
dict.has_key(key)	returns true if the dictionary contains the specified key.
dict.get(key, default = “None”)	used to get the value specified for the passed key.

```python
# demo for all dictionary methods
dict1 = {1: 'Python', 2: 'Java', 3: 'Ruby', 4: 'Scala'}
# copy() method
dict2 = dict1.copy()
print(dict2)
# clear() method
dict1.clear()
print(dict1)
# get() method
print(dict2.get(1))
# items() method
print(dict2.items())
# keys() method
print(dict2.keys())
# pop() method
dict2.pop(4)
print(dict2)
# popitem() method
dict2.popitem()
print(dict2)
# update() method
dict2.update({3: 'Scala'})
print(dict2)
# values() method
print(dict2.values())
```

Output:

```
{1: 'Python', 2: 'Java', 3: 'Ruby', 4: 'Scala'}

{}

Python

dict_items([(1, 'Python'), (2, 'Java'), (3, 'Ruby'), (4, 'Scala')])

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

{1: 'Python', 2: 'Java', 3: 'Ruby'}

{1: 'Python', 2: 'Java'}

{1: 'Python', 2: 'Java', 3: 'Scala'}

dict_values(['Python', 'Java', 'Scala'])
```