



- 7) durga
- 8) {200: 'ravi', 300: 'shiva'}
- 9) KeyError: 400

4. popitem():

It removes an arbitrary item(key-value) from the dictionary and returns it.

Eg:

- 1) `d={100:"durga",200:"ravi",300:"shiva"}`
- 2) `print(d)`
- 3) `print(d.popitem())`
- 4) `print(d)`
- 5)
- 6) Output
- 7) {100: 'durga', 200: 'ravi', 300: 'shiva'}
- 8) (300, 'shiva')
- 9) {100: 'durga', 200: 'ravi'}

If the dictionary is empty then we will get KeyError

```
d={}
```

```
print(d.popitem()) ==>KeyError: 'popitem(): dictionary is empty'
```

5. keys():

It returns all keys associated with dictionary

Eg:

- 1) `d={100:"durga",200:"ravi",300:"shiva"}`
- 2) `print(d.keys())`
- 3) `for k in d.keys():`
- 4) `print(k)`
- 5)
- 6) Output
- 7) dict_keys([100, 200, 300])
- 8) 100
- 9) 200
- 10) 300

6. values():

It returns all values associated with the dictionary