

# Python's Dictionary

- Store Key and Value pair/pairs
- Syntax
  - {}
  - {'key' : 'value'}
  - mydict = {'ndls' : 'New Delhi', 'jp' : 'Jaipur', 'hyd' : 'Hyderabad'}
  - Indexing Not Applicable
  - >> mydict['ndls']  
New Delhi
  - >> mydict['hyd']  
Hyderabad
- Common dictionary methods
  - **Access a value (by Key)**
    - syntax: mydict[key]
    - ex: mydict = {'ndls' : 'New Delhi', 'jp' : 'Jaipur', 'hyd' : 'Hyderabad'}
    - run: mydict['ndls']
    - output: New Delhi
  - **Check a Key Exist or Not**
    - syntax: mydict.has\_key(key)  
If key exist it return True , if key does not exist it return False
    - ex: mydict = {'ndls' : 'New Delhi', 'jp' : 'Jaipur', 'hyd' : 'Hyderabad'}
    - run: mydict.has\_key('hyd')
    - output: True
    - run: mydict.has\_key('cnb')
    - output: False
  - **Update a Value for particular Key**
    - syntax: mydict[key] = newvalue
    - ex: mydict = {'ndls' : 'New Delhi', 'jp' : 'Jaipur', 'hyd' : 'Hyderabad'}
    - run: mydict['ndls'] = "Chennai"
    - output: {'ndls' : 'Chennai', 'jp' : 'Jaipur', 'hyd' : 'Hyderabad'}
  - **Add a pair of Key and Value**
    - syntax: mydict[newkey] = newvalue
    - ex: mydict = {'ndls' : 'New Delhi', 'jp' : 'Jaipur', 'hyd' : 'Hyderabad'}
    - run: mydict['cnb'] = "Kanpur"
    - output: {'ndls' : 'New Delhi', 'jp' : 'Jaipur', 'hyd' : 'Hyderabad', 'cnb' : 'Kanpur'}  
*you may get a different sequence, sequence not important here (no indexing)*

Written By:

Vikas Kumar Sharma

[vikas.pypy@gmail.com](mailto:vikas.pypy@gmail.com)

defpy.com

*Feedback, Queries and Suggestions are invited on above mail id.*