1. Empty dictionary's code – mira= { } or mira=dict()
2. The value of a dictionary value with the key "foo" and the value 42 is d: {'foo':42}
3. The most significant distinction between a dictionary and a list is that list is a set of heterogeneous values, but dictionary has keyword and its value. Dictionaries are represented by {} where as listed are represented by []. The Items stored in a dictionary are Unordered , while the items in a list are ordered.
4. If you try to access spam["foo"] if spam is {'bar': 100} , you will get a keyError KeyError: 'foo'.
5. If a dictionary is stored in spam, the difference between the expressions 'cat' in spam and 'cat' in spam.keys() is that there is no difference . The operator checks whether a value exits as a key in the dictionary or not.
6. The difference between the expressions 'cat' in spam and 'cat' in spam.values() is that 'cat' in spam means is the key exists or not and spam.values() means if cat is the value exists in this dictionary.
7. if 'color' not in spam:
   spam['color'] ='black'
   shortcut : `spam.setdefault('color','black')`
8. we can pretty print a dictionary using three functions

   1. by using pprint() function of pprint module
      - **Note:** pprint() function doesnot prettify nested dictionaries
   2. by using dumps() method of json module
   3. by using dumps() method of yaml module

      ndict = [

       {'Name': 'John', 'Age': '23', 'Residence': {'Country':'USA', 'City': 'New York'}},
       {'Name': 'Jose', 'Age': '44', 'Residence': {'Country':'Spain', 'City': 'Madrid'}},
       {'Name': 'Anne', 'Age': '29', 'Residence': {'Country':'UK', 'City': 'England'}},
       {'Name': 'Lee', 'Age': '35', 'Residence': {'Country':'Japan', 'City': 'Osaka'}}]
      print('Printing using print() function\n',ndict)
      print('-'*70)
      import pprint
      print('Printing using pprint() funciton')
      pprint**.**pprint(ndict)
      print('-'*70)
      import json
      dump = json**.**dumps(ndict, indent=4)
      print('Printing using dumps() method\n', dump)
      print('-'*70)
      import yaml
      dump = yaml**.**dump(ndict)
      print('Printing using dump() method\n', dump)