# dictionaries = A changeable, unordered collection of unique key:value  
# pairs. Fast because they use hashing, allow us to access a value quickly  
  
capitals *=* {'USA'*:* 'Washington DC',  
 'India'*:* 'New Dehli',  
 'China'*:* 'Beijing',  
 'Russia'*:* 'Moscow'}  
# print(capitals['Russia']) # Moscow - no indexing since dictionaries are  
# unordered. To get the value, MUST USE THE KEY.  
  
# print(capitals['Germany']) # KeyError: 'Germany'- Wrong way of checking  
  
# METHODS  
  
"""  
print(capitals.get('Germany')) # None-Correct way of checking if a KEY exists  
print(capitals.keys()) # dict\_keys(['USA', 'India', 'China', 'Russia'])  
print(capitals.values()) # dict\_values(['Washington DC', 'New Dehli',  
# 'Beijing', 'Moscow'])  
print(capitals.items()) # dict\_items([('USA', 'Washington DC'),  
# ('India', 'New Dehli'), ('China', 'Beijing'),  
# ('Russia', 'Moscow')])  
"""  
"""  
for key, value in capitals.items():  
 print(key, value)  
"""  
capitals.update*(*{'Germany'*:* 'Berlin'}*)*print*(*capitals.get*(*'Germany'*))* # Berlin  
# which means the dictionary was updated  
capitals.update*(*{'Germany'*:* 'Bon'}*)*print*(*capitals.get*(*'Germany'*))* # Bon  
# which means the dictionary was updated  
capitals.pop*(*'USA'*)*print*(*capitals.get*(*'USA'*))* # None - USA was removed  
capitals.clear*()*print*(*capitals*)* # {} Empty dictionary