*# Creating a Dictionary*Dict = {1: 'Geeks', 'name': 'For', 3: 'Geeks'}  
  
*# Deleting a key  
# using pop() method*pop\_ele = Dict.pop(1)  
print('\nDictionary after deletion: ' + str(Dict))  
print('Value associated to poped key is: ' + str(pop\_ele))  
  
*# Creating Dictionary*Dict = {1: 'Geeks', 'name':'For', 3: 'Geeks'}  
  
*# Deleting an arbitrary key  
# using popitem() function*pop\_ele = Dict.popitem()  
print("\nDictionary after deletion: " + str(Dict))  
print("The arbitrary pair returned is: " + str(pop\_ele))  
  
*# Creating a Dictionary*Dict = {1: 'Geeks', 'name': 'For', 3: 'Geeks'}  
  
*# Deleting entire Dictionary*Dict.clear()  
print("\nDeleting Entire Dictionary: ")  
print(Dict)

var = {  
 "brand": "Ford",*#key = brand, value = ford* "model": "Mustang",  
 "year": 1964  
}  
print(var)  
print(len(var))  
print(type(var))

*# Creating a Dictionary  
# with Integer Keys*Dict = {1: 'Geeks', 2: 'For', 3: 'Geeks'}  
print("\nDictionary with the use of Integer Keys: ")  
print(Dict)  
  
*# Creating a Dictionary  
# with Mixed keys*Dict = {'Name': 'Geeks', 1: (1, 2, 3, 4)}  
print("\nDictionary with the use of Mixed Keys: ")  
print(Dict)  
*#data can be transferred in json format in dictionary used for encryption  
#google*g : 2  
o : 2  
l : 1  
e : 1

*# Creating an empty Dictionary*Dict = {}  
print("Empty Dictionary: ")  
print(Dict)  
  
*# Creating a Dictionary  
# with dict() method*Dict = dict({1: 'Geeks', 2: 'For', 3: 'Geeks'})  
print("\nDictionary with the use of dict(): ")  
print(Dict)  
  
*# Creating a Dictionary  
# with each item as a Pair*a = dict([(1,'Geeks'), (2,'For')])  
print("\nDictionary with each item as a pair: ")  
print(a)

*# Creating a Nested Dictionary  
# as shown in the below image*Dict = {1: 'Geeks', 2: 'For',  
 3: {'A': 'Welcome', 'B': 'To', 'C': 'Geeks'}}  
  
print(Dict)

*# Creating an empty Dictionary*Dict = {}  
print("Empty Dictionary: ")  
print(Dict)  
  
*# Adding elements one at a time*Dict[0] = 'Geeks'  
Dict[2] = 'For'  
Dict[3] = 1  
print("\nDictionary after adding 3 elements: ")  
print(Dict)  
  
*# Adding set of values  
# to a single Key*Dict['Value\_set'] = 2, 3, 4  
print("\nDictionary after adding 3 elements: ")  
print(Dict)  
  
*# Updating existing Key's Value*Dict[2] = 'Welcome'  
print("\nUpdated key value: ")  
print(Dict)  
  
*# Adding Nested Key value to Dictionary*Dict[5] = {'Nested': {'1': 'Life', '2': 'Geeks'}}  
print("\nAdding a Nested Key: ")  
print(Dict)

*# Python program to demonstrate  
# accessing a item from a Dictionary  
  
# Creating a Dictionary*Dict = {'name': 'Python', 'use': 'Devoloping', '1': 'Applications'}  
  
*# accessing a element using key*print("Accessing a item using key:")  
print(Dict['use'])  
  
*# accessing a element using key*print("Accessing a element using key:")  
print(Dict['1'])

*# Creating a Dictionary*Dict = {1: 'Geeks', 'name': 'For', 3: 'Geeks'}  
  
*# accessing a element using get()  
# method*print("Accessing a element using get:")  
print(Dict.get(3))

*# Creating a Dictionary*Dict = {'Dict1': {1: 'Geeks'},  
 'Dict2': {'Name': 'For'}}  
  
*# Accessing element using key*print(Dict['Dict1'])  
print(Dict['Dict1'][1])  
print(Dict['Dict2']['Name'])

*# Initial Dictionary*Dict = {5: 'Welcome', 6: 'To', 7: 'Geeks',  
 'A': {1: 'Geeks', 2: 'For', 3: 'Geeks'},  
 'B': {1: 'Geeks', 2: 'Life'}}  
print("Initial Dictionary: ")  
print(Dict)  
  
*# Deleting a Key value*del Dict[6]  
print("\nDeleting a specific key: ")  
print(Dict)  
  
*# Deleting a Key from  
# Nested Dictionary*del Dict['A'][2]  
print("\nDeleting a key from Nested Dictionary: ")  
print(Dict)