1 Create an empty dictionary

dict1={}

print(dict1)

2Create the following dictionary

Key value

A 42

B 33

C 50

classes={

"A":42,

"B":33,

"C":50,

}

print(classes)

3Create a dictionary with different data types for keys

student={

1:"Aman",

2:"bumrah",

3:"Chaman",

}

print(student)

4Print all the items of a dictionary

dict3={

"A":1,

"B":2,

"C":3,

}

print(dict3.items())

5Delete an element of a dictionary

dict1={

"A":1,

"B":2,

"C":3,

}

print(dict1)

del dict1['A']

print(dict1)

6Delete full dictionary

dict1={

"A":1,

"B":2,

"C":3,

}

print("Dict1 is")

print(dict1)

print("Deleting Dict1")

del dict1

print("Dict1 has been deleted")

7Print value for a key

dict1={

"A":1,

"B":2,

"C":3,

"D":4,

}

for key in dict1:

print(key)

for key,value in dict1.items():

print(key,value)

for key,value in dict1.items():

print(value)

8To check if a key id is present in a dictionary

dict1={

"Mango":"Fruit",

"Apple":"Fruit",

"Potato":"Vegitable",

"Tomato":"Vegetable",

}

if 'Mango' in dict1:

print("Yes, Mango Found in dict1")

else:

print("Mango not found in dict1")

9Update a value of a key

dict1={

"A":1,

"B":2,

"C":3,

}

print(dict1)

dict1['A']=4

print(dict1)

10Add a new key value pair

dict1={

"A":1,

"B":2,

"C":3,

}

print(dict1)

dict1['D']=4

print(dict1)

11Print Dictionary keys{1,10} and values as square of keys

dict1={

"A":1,

"B":2,

"C":3,

}

dict2={

"A":3,

"B":4,

"C":5,

}

cmp(dict1,dict2)

dict1==dict2

12Print nested dictionary

dict1={

"A":12,

1:"ABC",

5:{"A":16,

2:"DEF"},

"C":17,

}

print(dict1)

13Concatenate three dictionaries

d1={

"A":1,

"B":2,

}

d2={

"C":3,

"D":4,

}

d3={

"E":5,

"F":6,

}

d4={}

for d in (d1,d2,d3):

d4.update(d)

print(d4)

14Sum all the values of a dictionary

dict1={

"A":1,

"B":2,

"C":3,

}

i=0

for key,value in dict1.items():

i=value+i

print(i)

15Accessing an element of a nested dictionary

# Nested dictionary having same keys

Dict = { 'Dict1': {'name': 'Ali', 'age': '19'},

         'Dict2': {'name': 'Bob', 'age': '25'}}

# Prints value corresponding to key 'name' in Dict1

print(Dict['Dict1']['name'])

# Prints value corresponding to key 'age' in Dict2

print(Dict['Dict2']['age'])

16Write python script to print a dictionary where the keys are numbers between 1 and 15 and the values are square of the keys.

dict1={}

for key in range(1,11):

dict1[key]=key\*key

print(dict1)

17Insert factorial of keys in values and print dictionary

dict1={}

factorial = 1

for key in range(1,16):

factorial=factorial\*key

dict1[key]=factorial

print(dict1)