DICTIONARY

1.Add a key to the dictionary:

dc={0:10,

1:20,

2:30}

print(dc)

dc.update({3:40})

print(dc)

O/P:

{0: 10, 1: 20, 2: 30}

{0: 10, 1: 20, 2: 30, 3: 40}

2.Dictionary concatenate:

dc1={1:10,2:20}

dc2={3:30,4:40}

dc3={5:50,6:60}

dc=(dc1,dc2,dc3)

print(dc)

O/P:

({1: 10, 2: 20}, {3: 30, 4: 40}, {5: 50, 6: 60})

3.Iterate over dictionaries using for loop:

bikes={"name":"ktm",

"model":"duke",

"color":"red",

"year":"2002"

}

for bike in bikes.items():

print(bike)

O/P:

('name', 'ktm')

('model', 'duke')

('color', 'red')

('year', '2002')

4.Generate and print a dictionary as number in the form(x, x\*x):

n=int(input("enter the value"))

d=dict()

for i in range (1,n):

d[i]=i\*i

print(d)

O/P:

enter the value6

{1: 1, 2: 4, 3: 9, 4: 16, 5: 25}

5.Print a dictionary with keys from 1-15 and values are key’s square:

n=int(input("enter the num:"))

d=dict()

for i in range(1,n):

d[i]=i\*i

print(d)

O/P:

enter the num:16

{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100, 11: 121, 12: 144, 13: 169, 14: 196, 15: 225}

6.Remove In Dictionary:

bikes={"name":"ktm",

"model":"duke",

"color":"red",

"year":"2002"

}

bikes.pop("model")

print(bikes)

O/P:

{'name': 'ktm', 'color': 'red', 'year': '2002'}

7.Getting the maximum and minimum value in the dictionary:

e = {"bat": 32, "ball": 65, "zhoes":43, "stick": 12}

max\_key = max(e.values())

min\_key = min(e.values())

print("maximum value:", max\_key)

print("minimum value:", min\_key)

O/P:

maximum value: 65

minimum value: 12

8.sum all the items in a dictionary:

e = {"banana": 45, "orange": 23, "apple": 17, "mango": 34}

j = 0

for i in e.values():

j += i

print(j)

O/P:

119

9.Multiply all the items in the dictionary:

e = {"ram": 30, "raj": 25, "mohan": 36}

j = 1

for i in e.values():

j \*= i

print(j)

O/P:

27000

10.Map two lists into a dictionary:

keys = ["banana", "orange", "apple", "mango"]

values = [23, 34, 434, 98]

d = dict(zip(keys, values))

print(d)

O/P:

{'banana': 23, 'orange': 34, 'apple': 434, 'mango': 98}