1. Write a Python program to Extract Unique values dictionary values?

ANS: test\_dict = {"Gfg" : [6, 7, 4, 6],

"is" : [8, 9, 5],

"for" : [2, 5, 3, 7],

"Geeks" : [6, 8, 5, 2]}

# printing original dictionary

print("The original dictionary is : " + str(test\_dict))

# list to memorize elements and insert result

res = []

for sub in test\_dict:

for ele in test\_dict[sub]:

# testing for existence

if ele not in res:

res.append(ele)

# printing result

print("Extracted items : " + str(res))

1. Write a Python program to find the sum of all items in a dictionary?

ANS: my\_dictionary = {'1' : 1,'2' : 2,'3' : 3,'4' : 4,'5' : 5}

print("Given Dictionary : ",my\_dictionary)

print("values ",my\_dictionary.values())

sum\_values = sum(my\_dictionary.values())

print("Sum of all the values in the dictionary is : ",sum\_values)

1. Write a Python program to Merging two Dictionaries?

ANS: dict\_1 = {1: 'a', 2: 'b'}

dict\_2 = {2: 'c', 4: 'd'}

print(dict\_1 | dict\_2)

1. Write a Python program to convert key-values list to flat dictionary?

ANS: dic= { "day": [1, 2, 3], "name": ['Mon', 'Tues', 'Wed' ] }

print("Original dictionary: ",dic)

# convert to flat dictionary

f\_dic= dict(zip(dic["day"], dic["name"]))

print("FLATTENED DICTIONARY: ", f\_dic)

1. Write a Python program to insertion at the beginning in OrderedDict?

ANS: from collections import OrderedDict

dic1 = OrderedDict([('A', '100'), ('B', '200'), ('C', '300')])

insrt = OrderedDict([("D", '400')])

final = OrderedDict(list(insrt.items()) + list(dic1.items()))

# print result

print ("Resultant Dictionary :")

print(final)

1. Write a Python program to check order of character in string using OrderedDict()?

ANS: from collections import OrderedDict

def checkOrder(string, pattern):

dic = OrderedDict.fromkeys(string)

ptr = 0

for key,value in dic.items():

if (key == pattern[ptr]):

ptr = ptr + 1

if (ptr == (len(pattern))):

return 'True'

return 'False'

string = 'Study tonight'

pattern = 'stu'

print (checkOrder(string,pattern))

string2= 'Welcome'

pattern2= 'cm'

print (checkOrder(string2,pattern2))

True

False

1. Write a Python program to sort Python Dictionaries by Key or Value?

ANS: key\_value={}

key\_value[5] = 10

key\_value[3] = 8

key\_value[6] = 77

key\_value[4] = 23

key\_value[2] = 9

key\_value[1] = 43

print("sorting on the basis of keys")

for i in sorted(key\_value) :

print ((i, key\_value[i]), end =" ")