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

test\_dict = {'gfg': [5, 6, 7, 8],

'is': [10, 11, 7, 5],

'best': [6, 12, 10, 8],

'for': [1, 2, 5]}

# printing original dictionary

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

# Extract Unique values dictionary values

# Using set comprehension + values() + sorted()

res = list(sorted({ele for val in test\_dict.values() for ele in val}))

# printing result

print("The unique values list is : " + str(res))

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

def returnSum(myDict):

list = []

for i in myDict:

list.append(myDict[i])

final = sum(list)

return final

# Driver Function

dict = {'a': 100, 'b': 200, 'c': 300}

print("Sum :", returnSum(dict))

1. Write a Python program to Merging two Dictionaries?

def Merge(dict1, dict2):

return(dict2.update(dict1))

# Driver code

dict1 = {'a': 10, 'b': 8}

dict2 = {'d': 6, 'c': 4}

# This returns None

print(Merge(dict1, dict2))

# changes made in dict2

print(dict2)

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

from itertools import product

# initializing dictionary

test\_dict = {'month' : [1, 2, 3],

'name' : ['Jan', 'Feb', 'March']}

# printing original dictionary

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

# Convert key-values list to flat dictionary

# Using dict() + zip()

res = dict(zip(test\_dict['month'], test\_dict['name']))

# printing result

print("Flattened dictionary : " + str(res))

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

from collections import OrderedDict

# initialising ordered\_dict

iniordered\_dict = OrderedDict([('akshat', '1'), ('nikhil', '2')])

# inserting items in starting of dict

iniordered\_dict.update({'manjeet':'3'})

iniordered\_dict.move\_to\_end('manjeet', last = False)

# print result

print ("Resultant Dictionary : "+str(iniordered\_dict))

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

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))

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

myDict = {'ravi': 10, 'rajnish': 9,

'sanjeev': 15, 'yash': 2, 'suraj': 32}

myKeys = list(myDict.keys())

myKeys.sort()

sorted\_dict = {i: myDict[i] for i in myKeys}

print(sorted\_dict)