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

Ans : 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?

Ans : 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?

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 : 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?

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(input, pattern):

# create empty OrderedDict

# output will be like {'a': None,'b': None, 'c': None}

dict = OrderedDict.fromkeys(input)

# traverse generated OrderedDict parallel with

# pattern string to check if order of characters

# are same or not

ptrlen = 0

for key,value in dict.items():

if (key == pattern[ptrlen]):

ptrlen = ptrlen + 1

# check if we have traverse complete

# pattern string

if (ptrlen == (len(pattern))):

return 'true'

# if we come out from for loop that means

# order was mismatched

return 'false'

# Driver program

if \_\_name\_\_ == "\_\_main\_\_":

input = 'engineers rock'

pattern = 'er'

print (checkOrder(input,pattern))

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

Ans : # Initializing value

key\_value[2] = 56

key\_value[1] = 2

key\_value[5] = 12

key\_value[4] = 24

key\_value[6] = 18

key\_value[3] = 323

print("Task 1:-\n")

print("key\_value", key\_value)

# iterkeys() returns an iterator over the

# dictionary’s keys.

for i in sorted(key\_value.keys()):

print(i, end=" ")

def main():

# function calling

dictionairy()

# Main function calling

if \_\_name\_\_ == "\_\_main\_\_":

main()