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

ANS:

dict1 = {'A' : [1, 3, 5, 4],

'B' : [4, 6, 8, 10],

'C' : [6, 12, 4 ,8],

'D' : [5, 7, 2]}

print("The original dictionary is : " ,dict1)

# Using list comprehension, values() and sorted()

res = list(sorted({ele for val in dict1.values() for ele in val}))

# print result

print("The unique values list is : " , res)

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

ANS:

dic={ 'x':455, 'y':223, 'z':300, 'p':908 }

print("Dictionary: ", dic)

#using sum() and values()

print("sum: ",sum(dic.values()))

1. Write a Python program to Merging two Dictionaries?

ANS:

# 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?

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:

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:

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 =" ")