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

# Python program to Extract Unique values dictionary values

# declare a dict variable

dict1 = {"key1": 11, "key2": 12,"key3": 13 ,"key4": 12,"key5": 12,"key6": 13,"key7": 15}

# use set variable to get unique dict values and store it in list variable

l1 = list(set(dict1.values()))

# print the unique values stored in the list variable

print(l1)

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

# Python program to find the sum of all items in a dictionary

# declare a dict variable

dict1 = {"key1": 11, "key2": 12,"key3": 13 ,"key4": 12,"key5": 12,"key6": 13,"key7": 15}

# first store all the dict values in the list variable

l1 = list((dict1.values()))

# find the sum of elements in the list variable

print("sum of all items in a dictionary is : ",sum(l1))

1. Write a Python program to Merging two Dictionaries?

# Python program to Merging two Dictionaries

# declare two dict variables

# key names should be unique in both the dictionaries

dict1 = {"key1": 11, "key2": 12,"key3": 13 ,"key4": 12,"key5": 12,"key6": 13,"key7": 15}

dict2 = {"k1":"abc","k2":"def","k3":"ghi"}

# method 1. create another dict and add these 2 dicts in it

dict3 = dict1.copy()

dict3.update(dict2)

# print dict3

print(dict3)

# method 2 : add dict2 dictionary into dict1 dictionary

dict1.update(dict2)

# print dict1 dictionary

print(dict1)

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

# Python program to convert key-values list to flat dictionary

# declare a dict variable

# key names should be unique in both the dictionaries

dict1 = {"numbers":[1,2,3],"names":["Alex","David","Smith"]}

# print the dictionary before flattening

print("Before flattening :",dict1)

# flatten the dictionary using zip method

flat\_dict1 = dict(zip(dict1["numbers"], dict1["names"]))

# print the flattened dictionary

print("After flattening",flat\_dict1)

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

# Python program to insertion at the beginning in OrderedDict

from collections import OrderedDict

# declare a dictionary

dict1 = {('xyz1', '1'), ('xyz2', '2'), ('xyz3', '3')}

# print the dictionary before applying OrderedDict

print(dict1)

# Apply OrderedDict

ordered\_dict = OrderedDict(dict1)

# print new ordered dict

print(ordered\_dict)

# insert at the beginning of the ordered dict

ordered\_dict.update({'xyz4':'4'})

ordered\_dict. move\_to\_end('xyz4', last = False)

# print the updated OrderedDict

print(ordered\_dict)

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

# Python program to check order of character in string using OrderedDict()

from collections import OrderedDict

# create a function to check order

def check\_order(my\_input, my\_pattern):

my\_dict = OrderedDict.fromkeys(my\_input)

pattern\_length = 0

for key,value in my\_dict.items():

if (key == my\_pattern[pattern\_length]):

pattern\_length = pattern\_length + 1

if (pattern\_length == (len(my\_pattern))):

return "The order of character in string is correct"

return 'The order of character in string is incorrect'

# check with some input

input = 'Hello'

input\_pattern = 'lo'

print("The string is ", input)

print("The input pattern is ",input\_pattern)

print(check\_order(input,input\_pattern))

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

# Python program to sort Python Dictionaries by Key or Value

# declare two dict variables

# key names should be unique in both the dictionaries

dict1 = {"key4": 12,"key1": 11, "key2": 12,"key7": 15,"key3": 13 ,"key5": 12,"key6": 13}

# sort the dict keys and print it

print(sorted(dict1.keys()))

# sort the dict values and print it

print(sorted(dict1.values()))