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)

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

# print result

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

OUTPUT:

The original dictionary is : {'A': [1, 3, 5, 4], 'B': [4, 6, 8, 10], 'C': [6, 12, 4, 8], 'D': [5, 7, 2]}

The unique values list is : [1, 2, 3, 4, 5, 6, 7, 8, 10, 12]

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

Ans.

dic={ 'x':123,'y':234,'z':456,'a':567, 'b': 678, 'c': 789 }

print("Dictionary: ", dic)

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

OUTPUT:

Dictionary: {'x': 123, 'y': 234, 'z': 456, 'a': 567, 'b': 678, 'c': 789}

sum: 2847

1. Write a Python program to Merging two Dictionaries?

Ans.

dict\_1 = {1: 'My', 2: 'Name'}

dict\_2 = {3: 'is', 4: 'Vikas Gupta'}

print(dict\_1 | dict\_2)

OUTPUT:

{1: 'My', 2: 'Name', 3: 'is', 4: 'Vikas Gupta'}

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)

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

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

OUTPUT:

Original dictionary: {'day': [1, 2, 3], 'name': ['Mon', 'Tues', 'Wed']}

FLAT DICTIONARY: {1: 'Mon', 2: 'Tues', 3: 'Wed'}

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

Ans.

from collections import OrderedDict

dict\_one = OrderedDict({'Apple':'Iphone','Microsoft':'Windows','Google':'chrome'})

print('dict\_one',dict\_one)

OUTPUT:

dict\_one OrderedDict([('Apple', 'Iphone'), ('Microsoft', 'Windows'), ('Google', 'chrome')])

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

Ans.

from collections import OrderedDict

initial\_list = {'a': 100, 'f': 200, 'd': 300, 'c': 400, 'b': 500, 'e': 600}

print(initial\_list)

final\_list = OrderedDict(dict(sorted(initial\_list.items())))

print(final\_list)

OUTPUT:

{'a': 100, 'f': 200, 'd': 300, 'c': 400, 'b': 500, 'e': 600}

OrderedDict([('a', 100), ('b', 500), ('c', 400), ('d', 300), ('e', 600), ('f', 200)])

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

Ans.

key\_value = {}

key\_value[1] = 10

key\_value[2] = 20

key\_value[3] = 30

key\_value[4] = 40

key\_value[5] = 50

key\_value[6] = 60

print("sorting on the basis of keys")

for i in sorted(key\_value):

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

OUTPUT:

sorting on the basis of keys

(1, 10) (2, 20) (3, 30) (4, 40) (5, 50) (6, 60)