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

Sol:- my\_dict = {'key1': 'value1', 'key2': 'value2', 'key3': 'value3', 'key4': 'value2'}

unique\_values = list(set(my\_dict.values()))

print(unique\_values)

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

Sol:- my\_dict = {'item1': 10, 'item2': 20, 'item3': 30}

sum\_of\_items = sum(my\_dict.values())

print("The sum of all items in the dictionary is:", sum\_of\_items)

1. Write a Python program to Merging two Dictionaries?

Sol:- Method1:

dict1 = {'key1': 'value1', 'key2': 'value2'}

dict2 = {'key3': 'value3', 'key4': 'value4'}

dict1.update(dict2)

merged\_dict = dict1

print("Merged dictionary:", merged\_dict)

Method2:

dict1 = {'key1': 'value1', 'key2': 'value2'}

dict2 = {'key3': 'value3', 'key4': 'value4'}

merged\_dict = {\*\*dict1, \*\*dict2}

print("Merged dictionary:", merged\_dict)

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

Sol:- key\_value\_list = [('key1', 'value1'), ('key2', 'value2'), ('key3', 'value3')]

my\_dict = dict(key\_value\_list)

print("dictionary:", my\_dict )

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

Sol:- from collections import OrderedDict

ordered\_dict = OrderedDict([('key1', 'value1'), ('key2', 'value2'), ('key3', 'value3')])

new\_key = 'key0'

new\_value = 'value0'

ordered\_dict.move\_to\_end(None, last=False)

ordered\_dict[new\_key] = new\_value

print("OrderedDict after insertion:", ordered\_dict)

1. Write a Python program to check order of character in string using OrderedDict()?
2. Write a Python program to sort Python Dictionaries by Key or Value?

Sol:- # Sample dictionary

my\_dict = {'apple': 3, 'orange': 1, 'banana': 2}

# Sort by key

sorted\_dict\_by\_key = dict(sorted(my\_dict.items()))

print("Sorted dictionary by key:", sorted\_dict\_by\_key)

# Sort by value

sorted\_dict\_by\_value = dict(sorted(my\_dict.items(), key=lambda item: item[1]))

print("Sorted dictionary by value:", sorted\_dict\_by\_value)