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]}**

**print("The original dictionary is : " + str(test\_dict))**

**res = list(sorted({ele for val in test\_dict.values() for ele in val}))**

**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**

**dict = {'a': 100, 'b':200, 'c':300}**

**print("Sum :", returnSum(dict))**

1. Write a Python program to Merging two Dictionaries?

**Ans: def Merge(dict1, dict2):**

**return(dict2.update(dict1))**

**dict1 = {'a': 10, 'b': 8}**

**dict2 = {'d': 6, 'c': 4}**

**print(Merge(dict1, dict2))**

**print(dict2)**

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

**Ans: from itertools import product**

**test\_dict = {'month' : [1, 2, 3],**

**'name' : ['Jan', 'Feb', 'March']}**

**print("The original dictionary is : " + str(test\_dict))**

**res = dict(zip(test\_dict['month'], test\_dict['name']))**

**print("Flattened dictionary : " + str(res))**

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

**Ans: from collections import OrderedDict**

**my\_ordered\_dict = OrderedDict([('Will', '1'), ('James', '2'), ('Rob', '4')])**

**print("The dictionary is :")**

**print(my\_ordered\_dict)**

**my\_ordered\_dict.update({'Mark':'7'})**

**my\_ordered\_dict.move\_to\_end('Mark', last = False)**

**print("The resultant dictionary is : ")**

**print(my\_ordered\_dict)**

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

**Ans: from collections import OrderedDict**

**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 pattern is correct'**

**return 'The order of pattern is incorrect'**

**my\_input = 'Hi Mark'**

**input\_pattern = 'Ma'**

**print("The string is ")**

**print(my\_input)**

**print("The input pattern is ")**

**print(input\_pattern)**

**print(check\_order(my\_input,input\_pattern))**

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

**Ans: def dictionairy():**

**key\_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 ("Keys are")**

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

**print(i, end = " ")**

**def main():**

**dictionairy()**

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

**main()**