1 Python Basic Programming Assignment 12

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

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]

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

1.0.3 3. Write a Python program to Merging two Dictionaries?

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

dictionary languages : {'language': ['python', 'java', 'c/c++', 'javascript'], 'year': [1991, 1995, 1980, 1995]} Flattened dictionary language : {'python': 1991, 'java': 1995, 'c/c++': 1980, 'javascript': 1995}

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

```
In [2]:
1 from collections import OrderedDict
 2 def checkOrder(string, pattern):
       dic = OrderedDict.fromkeys(string)
 3
       ptr = 0
 4
 5
       for key,value in dic.items():
           if (key == pattern[ptr]):
 7
               ptr = ptr + 1
 8
           if (ptr == (len(pattern))):
               return 'True'
 9
       return 'False'
10
11
12 string = 'Study tonight'
13 pattern = 'stu'
14 print (checkOrder(string,pattern))
15
16 | string2= 'Welcome'
17 pattern2= 'cm'
18 print (checkOrder(string2,pattern2))
```

False True

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

{'mohan': 32, 'rakesh': 10, 'rani': 9, 'sanjita': 15, 'yash': 2}