Python Basic Programming Assignment 12

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

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

3. Write a Python program to Merging two Dictionaries?

```
In [3]: dict1={'a':1, 'b':2}
dict2={'x':3, 'y':4}
dict3={**dict1,**dict2}
print(dict3)
{'a': 1, 'b': 2, 'x': 3, 'y': 4}
```

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

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

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

```
In [16]: from collections import OrderedDict
     def checkOrder(input, pattern):
         # create empty OrderedDict
         # output will be like {'a': None, 'b': None, 'c': None}
         dict = OrderedDict.fromkeys(input)
         # traverse generated OrderedDict parallel with
         # pattern string to check if order of characters
         # are same or not
         ptrlen = 0
         for key,value in dict.items():
             if (key == pattern[ptrlen]):
                 ptrlen = ptrlen + 1
             # check if we have traverse complete
             # pattern string
             if (ptrlen == (len(pattern))):
                 return 'true'
         # if we come out from for loop that means
         # order was mismatched
         return 'false'
     # Driver program
     if name == " main ":
         input = 'engineers rock'
         pattern = 'er'
         print (checkOrder(input,pattern))
```

true

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