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

Soln:

```
def unique_val(d):

   unique= set()

   for v in d.values():
      if v not in unique:
         unique.add(v)
   return unique
```

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

Soln:

```
def sum_dict(d):
   sum_val=0

   for val in d.values():
      sum_val= sum_val+val
   return sum_val
```

---

3. Write a Python program to Merging two Dictionaries

Soln:

```
def merge_dicts(d1, d2):
   d = d1.copy()
   d.update(d2)
   return d
```

---

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

Soln:

```
test_dict = {'month' : [1, 2, 3], 'name' : ['Jan', 'Feb', 'March']}

res = dict(zip(test_dict['month'], test_dict['name']))

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

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

Soln:

```
from collections import OrderedDict

# creating an ordered dictionary
od = OrderedDict([('apple', 1), ('banana', 2), ('orange', 3)])

# print the initial order of the dictionary
print('Initial Dictionary:', od)

# insert a new item at the beginning
od.update({'grapes': 4})
od.move_to_end('grapes', last=False)

# print the updated order of the dictionary
print('Updated Dictionary:', od)
```

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

Soln:

```
from collections import OrderedDict

def check_char_order(string, pattern):


    ordered_dict = OrderedDict.fromkeys(string)

    # iterating through the pattern and check if the characters
    # are in the same order as they appear in the ordered dict
    pattern_idx = 0
    for char in ordered_dict:
        if pattern_idx == len(pattern):
            break
        if char == pattern[pattern_idx]:
            pattern_idx += 1

    # if all characters in the pattern are found in order, return True
    return pattern_idx == len(pattern)
```

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

Soln:

```
# creating a dictionary
my_dict = {'car': 5, 'bus': 2, 'bike': 3, 'train': 4}

# sorting the dictionary by keys
sorted_dict = dict(sorted(my_dict.items()))

# printing the sorted dictionary
print(sorted_dict)
```