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In [1]: test list=[1,5,3,6,3,5,6,1]
        print("The original list is:" +str(test list))
        test list=list(set(test list))
        print("the list after removing duplicates" +str(test list))
        The original list is:[1, 5, 3, 6, 3, 5, 6, 1]
        the list after removing duplicates[1, 3, 5, 6]
In [3]: |list1=[1,3,5,7,9]
        list2=[1,2,4,6,7,8]
        diff list1 list2 = list(set(list1)-set(list2))
        diff list2 list1 = list(set(list2)-set(list1))
        total_diff = diff_list1_list2+diff_list2_list1
        print(total diff)
        [9, 3, 5, 8, 2, 4, 6]
In [4]: import collections
        my list=[10,10,10,10,20,20,20,20,40,40,50,50,30]
        print("Original list:", my list)
        ctr=collections.Counter(my list)
        print("Frequency of the elements in the list: ",ctr)
        Original list: [10, 10, 10, 10, 20, 20, 20, 20, 40, 40, 50, 50, 3
        Frequency of the elements in the list: Counter({10: 4, 20: 4, 4
        0: 2, 50: 2, 30: 1})
In [6]: from collections import Counter
        color1=["red", "orange", "green, ", "blue", "white"]
        color2=["black","yellow","green","blue"]
        counter1= Counter(color1)
        counter2= Counter(color2)
        print("Color1-Color2: ", list(counter1-counter2))
        print("Color2-Color1: ", list(counter2-counter1))
        Color1-Color2: ['red', 'orange', 'green,', 'white']
        Color2-Color1: ['black', 'yellow', 'green']
In [ ]:
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