

~\Desktop\lab\_anpc\_8356\_Dictionary\_assignment\setlab.py

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1 #1. Write a Python program to Get Only unique items from two sets.
2
3
4 set1 = {10, 20, 30, 40, 50}
5 set2 = {30, 40, 50, 60, 70}
6
7
8 unique_items = set1.union(set2)
9
10
11 print("Unique Items:", unique_items)
12
13 # Write a Python program to Return a set of elements present in Set A or B, but not both.
14
15 set1 = {10, 20, 30, 40, 50}
16 set2 = {30, 40, 50, 60, 70}
17
18 symmetric_diff = set1.symmetric_difference(set2)
19
20
21 print("Elements present in Set A or B, but not both:", symmetric_diff)
22
23
24 #3. Write a Python program to Check if two sets have any elements in common. If yes, display
    the common elements.
25
26 # Define the two sets
27 set1 = {10, 20, 30, 40, 50}
28 set2 = {60, 70, 80, 90, 10}
29
30 # Find the intersection (common elements) between the two sets
31 common_elements = set1.intersection(set2)
32
33 # Display the common elements
34 if common_elements:
35     print("Common Elements:", common_elements)
36 else:
37     print("No Common Elements")
38
39 #4
40
41 set1 = {10, 20, 30, 40, 50}
42 set2 = {30, 40, 50, 60, 70}
43
44
45 set1.intersection_update(set2)
46
47 print("Items common to both set1 and set2:", set1)
48
49
50
51
```