Cw

1-Write a Python program to combine two dictionary by adding values for common keys.

d1 = {'a': 100, 'b': 200, 'c':300}

d2 = {'a': 300, 'b': 200, 'd':400}

Sample output: Counter({'a': 400, 'b': 400, 'd': 400, 'c': 300})

2-Write a Python program to print all distinct values in a dictionary.

Sample Data : [{"V":"S001"}, {"V": "S002"}, {"VI": "S001"}, {"VI": "S005"}, {"VII":"S005"}, {"V":"S009"},{"VIII":"S007"}]

Expected Output : Unique Values: {'S005', 'S002', 'S007', 'S001', 'S009'}

3-Write a Python program to create and display all combinations of letters, selecting each letter from a different key in a dictionary.

Sample data : {'1':['a','b'], '2':['c','d']}

Expected Output:

ac

ad

bc

bd

4-Write a Python program to combine values in a list of dictionaries.

Sample data: [{'item': 'item1', 'amount': 400}, {'item': 'item2', 'amount': 300}, {'item': 'item1', 'amount': 750}]

Expected Output: Counter({'item1': 1150, 'item2': 300})

5-Write a Python program to check if multiple keys exist in a dictionary.

6-Write a Python program to verify that all values in a dictionary are the same.
Original Dictionary:
{'Cierra Vega': 12, 'Alden Cantrell': 12, 'Kierra Gentry': 12, 'Pierre Cox': 12}
Check all are 12 in the dictionary.
True
Check all are 10 in the dictionary.
False

7-Write a Python program to convert string values of a given dictionary into integer/float datatypes.
Original list:
[{'x': '10', 'y': '20', 'z': '30'}, {'p': '40', 'q': '50', 'r': '60'}]
String values of a given dictionary, into integer types:
[{'x': 10, 'y': 20, 'z': 30}, {'p': 40, 'q': 50, 'r': 60}]
Original list:
[{'x': '10.12', 'y': '20.23', 'z': '30'}, {'p': '40.00', 'q': '50.19', 'r': '60.99'}]
String values of a given dictionary, into float types:
[{'x': 10.12, 'y': 20.23, 'z': 30.0}, {'p': 40.0, 'q': 50.19, 'r': 60.99}]

8- Find the Longest Word in a File

(*39 Lines*) In this exercise you will create a Python program that identifies the longest word(s) in a file. Your program should output an appropriate message that includes the length of the longest word, along with all of the words of that length that occurred in the file. Treat any group of non-white space characters as a word, even if it includes numbers or punctuation marks

9-تمام کامنت های یک فایل پایتونی را حذف کنید