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5A .def uniqueUpdate(data1, data2):

    # Initially empty dictionary

    dupKeys = {}

    # Examine every (k, v2) pair in data2

    for [k, v2] in data2:

        # Check if there is a key-value

        # pair with key = k in data1

        if k in data1:

            v1 = data1[k]

            # (k, v1) in dict1

            # Check if v1 != v2

            if v1 != v2:

                # Add (k, [v1, v2])

                # to dictionary

                dupKeys[k] = [v1, v2]

                # Remove (k, v1) from data1

                del data1[k]

        else:

            # Add (k, v2) to data1

            data1[k] = v2

    # After processing all (k, v2) in

    # data2, return the dictionary

    return dupKeys

5B. if k in data1:

            v1 = data1[k]

        if v1 != v2:

            dupKeys[k] = [v1, v2]

            del data1[k]

        else:

            data1[k] = v2

    return dupKeys

5C. TEST CASE 1:

4

1 2

3 3

3 8

4 9

2

3 3

4 4

TEST CASE 2:

4

1 2

2 2

3 3

4 19

2

3 3

4 19

TEST CASE 3:

The test case written in 5a ,which breaks the initially written code.