

Assignment - Python Data Structures

1. Reverse a given list in Python

output:

[500, 400, 300, 200, 100]

2. Concatenate two lists index-wise

Given:

output:

['My', 'name', 'is', 'Rajesh']

3. Merge following two Python dictionaries into one

Expected output:

4. Given a Python list, remove all occurrence of 20 from the list list1 = [5, 20, 15, 20, 25, 50, 20]

Output:

5. How to remove duplicates from a list of tuples using the list comprehension technique?
#a list of tuples

Write the syntax for the above question.



6. Convert list to tuple.

listelements = ['C#', 'Java', 'Go', 'Rust']

Write the syntax for the above question.

7. Get the number of items in a set:

thisset = {"apple", "banana", "cherry"}

Write the syntax for the above question.

8. Check if "apple" is present in the 'fruits' set using the membership test method.

fruits = {"apple", "banana", "cherry"}

Write the syntax for the above question.

9. Use the correct method to add multiple items (more_fruits) to the fruits set.

fruits = {"apple", "banana", "cherry"}
more_fruits = ["orange", "mango", "grapes"]

Hint: Use 'update' method in python

10. Display all the keys with value 200 from the following dictionary. sampleDict = {'a': 100, 'b': 200, 'c': 300,'d':200}

This is a Take Home Assignment. Hence, Please solve the assignment for your practice and Knowledge Building, Assignment Solutions will be Released as usual to enhance your learning.