

TUPLE

1. Write a python program to print the Palindrome number from a tuple.

For e.g.

Input: (121, 234, 222, 343, 786, 100)

Output: (121, 222, 343)

2. Write a python program to print unique elements for a nested tuple.

For e.g.

Input: ((3, 4, 5), (5, 6, 7), (7, 8, 9))

Output: (3, 4, 6, 8, 9)

3. Write a python program to convert tuple into list by adding the given number after every element and then join them by hyphen.

For e.g.

Input: test_tuple = (1, 2, 3) & k=22

Output: [1, 22, 2, 22, 3] □ "1-22-2-22-3"

4. Write a python program to convert binary tuple into integer.

For e.g.

Input: test_tuple = (1, 1, 0)

Output: 6

Input: test_tuple = (1, 1, 1, 1, 0, 1)

Output: 61

5. Write a python program to multiply the adjacent elements.

For e.g.

Input: test_tuple = (7, 4, 8, 3, 2)

Output: (28, 32, 24, 6)

6. Write a python program to convert nested tuple into dictionary.

For e.g.

Input: test_tuple = ((1, 'INSIDEAIML', 2), (3, 'best', 4)), keys = ['key', 'value', 'id']

Output: [{'key': 1, 'value': 'INSIDEAIML', 'id': 2}, {'key': 3, 'value': 'best', 'id': 4}]

7. Write a python program to sort tuple using list.

For e.g.

Input: test_tuple = [("abc", 8), ("uvw", 9), ("xyz", 7)] & list = ["xyz", "abc", "uvw"]

Output: [("xyz", 7), ("abc", 8), ("uvw", 9)]

8. Write a python program to print intersected tuple from list.

For e.g.

Input: tuple1 = [(1, 2), (3, 4), (5, 6), (7, 8)]

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Tuple2 = [(2, 1), (6, 5), (3, 4), (9, 8)]  
Output: [(1, 2), (3, 4), (5, 6)]
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9. Write a python program to remove duplicates and then print sum of all unique values.

For e.g.

Input: test_tuple = (1, 3, 5, 2, 3, 5, 1, 1, 3)

Output: (1, 3, 5, 2) □ sum = 11

10. Write a python program to print maximum sum tuple from nested tuple.

For e.g.

Input: test_tuple = ((6, 7), (1, 2), (9, 8))

Output: (9, 8)

Explanation: Sum of each tuple is ((13), (3), (17)) □ max sum is 17 □ output: (9, 8)