

1. Assume, you have been given two lists. Print both lists simultaneously such that list1 should display items in original order and list2 in reverse order.

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Given lists:

List1 = [10,20,30,40]

List2 = [100,200,300,400]

Sample Output:

10 400

20 30

30 200

40 100

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Given lists:

List1 = [90,30,-30,20,12]

List2 = [-8,-5,-2,100,6]

Sample Output:

90 6

30 100

-30 -2

20 -5

12 -8

2. Write a Python program to reverse strings in a given list of string values without using reverse() or reversed().

Sample Input: ['Red','Green','Blue','White','Black']

Sample Output: ['deR', 'neerG', 'eulB', 'etihW', 'kcalB']

3. Write a Python program that takes a list from the user. Then find **the first even** and **first odd** number in the list.

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Sample Input1:

[1, 3, 5, 7, 4, 1, 6, 8]

Sample Output1:

First even:4 and First odd:1

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Sample Input2:

[55, 5, 7, 9, 11]

Sample Output2:

First even: not found and First odd: 55

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Sample Input3:

[50, 52, 6, 2, 10]

Sample Output3:

First even: 50 and First odd: not found

4. Assume, you have been given a list T and a number, N. Now, create a list by concatenating the input list which range goes from 1 to N.

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Sample input1:

T = ['p', 'q']

N = 5

Sample Output1:

['p1', 'q1', 'p2', 'q2', 'p3', 'q3', 'p4', 'q4', 'p5', 'q5']

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Sample input2:

T = ['p', 'q', 'r']

N = 3

Sample Output2:

['p1', 'q1', 'r1', 'p2', 'q2', 'r2', 'p3', 'q3', 'r3']

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Sample input3:

T = ['p', 'q', 'r', 's']

N = 2

Sample Output3:

['p1', 'q1', 'r1', 's1', 'p2', 'q2', 'r2', 's2']