

List Assignment 1

1. Write a Python program to print a specified list after removing the 0th, 4th and 5th elements.

Example:

Input : ['Red', 'Green', 'White', 'Black', 'Pink', 'Yellow']

Output : ['Green', 'White', 'Black']

2. Write a Python function that takes two lists and returns True if they have at least one common member.

3. Write a Python program to shuffle and print a specified list.

Example:

Input : ['Red', 'Green', 'White', 'Black', 'Pink', 'Yellow']

Output: ['Red', 'Black', 'Green', 'White', 'Pink', 'Yellow']

4. Write a Python program to generate and print a list except for the first 5 elements, where the values are square of numbers between 1 and 30 (both included).

Example:

Input : i in range(1,31)

Output : [36, 49, 64, 81, 100, 121, 144, 169, 196, 225, 256, 289, 324, 361, 400, 441, 484, 529, 576, 625, 676, 729, 784, 841, 900]

5. Write a Python program to get the difference between the two lists.

Example:

Input: list1 = [1, 3, 5, 7, 9]

list2=[1, 2, 4, 6, 7, 8]

Output: [9, 3, 5, 8, 2, 4, 6]

6. Write a Python program to convert a list of characters into a string.

Example:

Input : ['a', 'b', 'c', 'd']

Output : abcd

7. Write a Python program to flatten a shallow list.

Example:

Input : [[2,4,3],[1,5,6], [9], [7,9,0]]

Output : [2, 4, 3, 1, 5, 6, 9, 7, 9, 0]

8. Write a Python program to select an item randomly from a list.

Example:

Input : [2, 3, 4, 7, 9, 11, 15]

Output : 7

9. Write a python program to check whether two lists are circularly identical.

Example:

Input : list1 = [10, 10, 0, 0, 10]

list2 = [10, 10, 10, 0, 0]

list3 = [1, 10, 10, 0, 0]

Output : Compare list1 and list2

True

Compare list1 and list3

False

10. Write a Python program to find the second largest number in a list.

Example:

Input : [1,2,3,4,4]

[1, 1, 1, 0, 0, 0, 2, -2, -2]

[2,2]

[1]

Output : 3

1

None

None