1- Given a list of numbers, create a function that returns a list where all similar

adjacent elements have been reduced to a single element,

 so [1,2,3.3] returns [1,2,3]

Note:

You may create a new list or modify the passed in list.

2- Write a Python program to find the most common elements and their counts of a specified text.

s = 'lkseropewdssafsdfafkpwe'
Hint

use from collections import Counter and read about it

3- Write a Python program to add 'ing' at the end of a given string (length should be at least 3). If the given string is already ends with 'ing' then add 'ly' instead. If the string length of the given string is less than 3, leave it unchanged.

Sample String : 'abc'

 Expected Result : 'abcing'

Sample String : 'string'

 Expected Result : 'stringly'

4- Write a Python program to find the first appearance of the substring 'not' and 'poor' from a given string, if 'bad' follows the 'poor', replace the whole 'not'...'poor' substring with 'good'. Return the resulting string.

Sample String : 'The lyrics is not that poor!'

 Expected Result : 'The lyrics is good!'

5- Given two lists create a third list by picking an odd-index element from the first list and even index elements from the second.

Given:

listOne = [3, 6, 9, 12, 15, 18, 21]listTwo = [4, 8, 12, 16, 20, 24, 28]

Expected Output:

Element at odd-index positions from list one

[6, 12, 18]

Element at even-index positions from list two

[4, 12, 20, 28]

Printing Final third list[6, 12, 18, 4, 12, 20, 28]

6- Given a list, remove the element at index 4 and add it to the 2nd position and at the end of the list

Given
list1 = [54, 44, 27, 79, 91, 41]
output
Original list [34, 54, 67, 89, 11, 43, 94]

List After removing element at index 4 [34, 54, 67, 89, 43, 94]

List after Adding element at index 2 [34, 54, 11, 67, 89, 43, 94]

List after Adding element at last [34, 54, 11, 67, 89, 43, 94, 11]

7- Given a two list of equal size create a Python set such that it shows the element from both lists in the pair

Expected Output:

First List [2, 3, 4, 5, 6, 7, 8]
Second List [4, 9, 16, 25, 36, 49, 64]
Result is {(6, 36), (8, 64), (4, 16), (5, 25), (3, 9), (7, 49), (2, 4)}
Hint: Search About Zip

8- Given two sets, Checks if One Set is a subset or superset of another Set. if the subset is found delete all elements from that set

Given:

firstSet = {27, 43, 34}

secondSet = {34, 93, 22, 27, 43, 53, 48}

Expected Output:

First Set {57, 83, 29}

Second Set {67, 73, 43, 48, 83, 57, 29}

First set is subset of second set - True

Second set is subset of First set - False

First set is Super set of second set - False

Second set is Super set of First set - True

First Set set()

Second Set {67, 73, 43, 48, 83, 57, 29}