Access the assignment file at *"My Computer/Students/AI/Assignments"*

**Python Exercises**

**1). Verb Alteration:**

Given a string, if its length is at least 3,

add 'ing' to its end.

Unless it already ends in 'ing', in which case

add 'ly' instead.

If the string length is less than 3, leave it unchanged.

Return the resulting string.

**2). Positive/Negative Assertion:**

Given a string, find the first appearance of the

substring 'not' and 'bad'. If the 'bad' follows

the 'not', replace the whole 'not'...'bad' substring

with 'good'.

Return the resulting string.

So 'This dinner is not that bad!' yields:

This dinner is good!

**3). Replace the occurrence of 1st character in the whole string:**

Given a string s, return a string

where all occurences of its first char have

been changed to '\*', except do not change

the first char itself.

e.g. 'babble' yields 'ba\*\*le'

Assume that the string is length 1 or more.

**4). Count the strings with same start and end characters:**

Given a list of strings, return the count of the number of

strings where the string length is 2 or more and the first

and last chars of the string are the same.

e.g ['aca', 'yes', 'aka', 'eye'] has three counts

**5). Remove Duplicates from a list:**

Given a list of numbers, return a list where

all adjacent == elements have been reduced to a single element,

so [1, 2, 2, 3] returns [1, 2, 3]. You may create a new list or modify the passed in list.

**6). Sort and modify two lists:**

Given two lists sorted in increasing order, create and return a merged

list of all the elements in sorted order. You may modify the passed in lists.

Ideally, the solution should work in "linear" time, making a single pass of both lists. In the last return a single combined sorted list