

Welcome to the Word Scramble project. This project involves reasoning about strings made up of uppercase letters. You will implement two related methods that appear in the same class (not shown). The first method takes a single string parameter and returns a scrambled version of that string. The second method takes a list of strings and modifies the list by scrambling each entry in the list. Any entry that cannot be scrambled is removed from the list.

To get started on this assignment, first download, extract and save the Word Scramble project to your computer. Open up the project by clicking on the BlueJ package file icon. Notice that you can run the provided `WordScrambleTest` class at any point in time to see how you are doing.

Start by completing the method `scrambleWord` which takes a given word and returns a string that contains a scrambled version of the word according to the following rules.

- The scrambling process begins at the first letter of the word and continues from left to right.
- If two consecutive letters consist of an "A" followed by a letter that is not an "A", then the two letters are swapped in the resulting string.
- Once the letters in two adjacent positions have been swapped, neither of those two positions can be involved in a future swap.

The following table shows several examples of words and their scrambled versions.

word	Result returned by <code>scrambleWord(word)</code>
"TAN"	"TNA"
"ABRACADABRA"	"BARCADABARA"
"WHOA"	"WHOA"
"AARDVARK"	"ARADVRAK"
"EGGS"	"EGGS"
"A"	"A"
""	""

Then, complete the `scrambleOrRemove` method, which replaces each word in the parameter `wordlist` with its scrambled version and removes any words that are unchanged after scrambling. The relative ordering of the entries in `wordlist` remains the same as before the call to `scrambleOrRemove`.

The following example shows how the contents of `wordlist` would be modified as a result of calling `scrambleOrRemove`.

Before the call to `scrambleOrRemove`:

	0	1	2	3	4
wordList	"TAN"	"ABRACADABRA"	"WHOA"	"APPLE"	"EGGS"

After the call to `scrambleOrRemove`:

	0	1	2
wordList	"TNA"	"BARCADABARA"	"PAPLE"