# Lab 4.02 - Getting Loopy

## Part 1

Write a function pluralize\_words that takes in a list of words and updates the values of the list to make each one plural. It returns nothing. Making plurals in english has a number of special cases, but for this lab we’ll use a simple rule: if the word ends in a ‘y’ remove the ‘y’ and add ‘ies’; otherwise add an ‘s’.

We’ll exercise the function on a list of words.

1. Create the function contract for pluralize\_words.
2. Provide a few examples that confirm pluralize\_words works as expected:
   * Include examples with ‘berry’
   * What if the list is empty?
   * What happens if a word ends in ‘s’?

### Example 1

# contract goes here  
def pluralize\_words(word\_list):  
 # your code goes here  
  
word\_list = ['apple', 'berry', 'melon']  
print("Singular words: " + str(word\_list))  
pluralize\_words(word\_list)  
print("No longer singular words: " + str(word\_list))  
 # more examples go here

#### Here is what it should look like when you run your code

Singular words: ['apple', 'berry', 'melon']  
No longer singular words: ['apples', 'berries', 'melons']

### Hint

Remember that you can index into the string and get the length of a string. Use that to get the last letter of each word.

## Part 2

Create a function my\_reverse, which will return a reversed string.

1. Create the function contract for my\_reverse.
2. Provide a few examples to confirm that my\_reverse works:
   * An empty string
   * A string of even length
   * A string of odd length greater than 1
   * A string of length 1

### Example 2

# contract goes here  
def my\_reverse(string\_to\_reverse):  
 # your code goes here  
reversed = my\_reverse("apples")  
print(reversed)  
# examples go here

### Here is what example 2 should look like when you run your code

>>> python3 my\_reverse\_lab.py  
selppa

### Hint 2

To get the last element:(len(my\_list) -1) - 0 To get the second to last element: (len(my\_list)-1 ) - 1 To get the third to last element: (len(my\_list)-1) - 2

### Bonus

Create a function reverse\_strings\_in\_list. This function will input a list of strings you want to reverse. The function will reverse the strings in the list by calling the my\_reverse function in a loop.