



Your Name: _____
ID#: _____

TA's Name: _____
Section #: _____

Take-Home Quiz 8 (15 pts) - Recursion & More Pointers
NOTE: Please submit your hard copy solution in lab this week

1. (7 pts) Write a function called `recursive_string_length()` that accepts a *pointer* to a string as a parameter, recursively *counts* the number of characters in the string (excluding the null character), and returns the *integer* count. For example, the count for "CptS121" is 7. You may not use any functions from `<string.h>`.
2. (8 pts) Write a function `recursive_string_copy()` which accepts a *pointer* to a source string and a *pointer* to a destination string as parameters, recursively *copies* from the source to destination (including the null character), and returns nothing. You may not use any functions from `<string.h>`. Hint: each recursive step requires that you pass in the address of the next character to copy from the source and the address of the next destination character location.