CIS 210, Fall 2016
Introduction to Computer Science

Project 5, Part 1

This assignment is due Friday, October 28 at 5pm. Save your Python program in a file called string_reverse.py and turn that file in using Canvas.

Purpose

In this project you will design and implement a recursive algorithm for reversing a string. The only string operation that you are allowed to use is string concatenation.

Requirements

Your program will read a string from the command line, and will print out the string in reverse order. You must implement the string_reverse() function, which takes a single string argument, and returns a string which is the reverse of the argument. The string_reverse() function must be a recursive implementation, and the only string operation that you may use is string concatenation. You are expected to use slicing in your implementation, although that is not required.

Your program will be invoked from the command line as follows:

```
$ python3 string_reverse.py 'the string to reverse'
```

Getting started

This starter code may be helpful.

Grading

30 points possible

- 15: Program runs, correctly implements string_reverse() using a recursive implementation. 5 points if it runs, but incorrectly implements string_reverse(). 0 points if it does not run.
- 7: Follows CIS 210 coding guidelines, including author identification and header .
- 8: Clarity. The program should not only be consistent with the requirements and approach described here, but it should be very easy to read the program and verify its consistency with the spec.