Project #6
CpSc 8270: Language Translation
Computer Science Division, Clemson University
Python Functions, Scope & Decision
Brian Malloy, PhD
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Due Date:

In order to receive credit for this assignment, your project must be submitted, using the `web handin` command, by midnight, Wednesday, December 12th of 2018. If you are unable to complete the project by the first due date, you may submit the project within one day after the due date with a ten point deduction.

Project Specification:

1. Your solution should translate the constructs from the previous project, including integer, float, and string values (string concatenation and multiplication, but not slicing); variables; print; assignment; and the expressions, including booleans, specified in the previous project.

2. In addition, your solution should translate Python if/else constructs, functions, including scope resolution, and return value propogation.

3. In addition, your solution should translate actual and formal parameters, including pass by value parameter transmission, and recursion. Of course you do not have to implement default values for parameters.

4. In the directory that contains your working interpreter, place a new directory titled cases that contains test cases that adequately test your interpreter.

5. Write a test harness, test.py, and place it in your project folder so that it runs the test cases in cases.

6. Your code should be well organized, formatted, readable, leak and warning free, and exploit object technology.