**Blue Waters Petascale Semester Curriculum v1.0**

**Unit 10: Productivity and Visualization**

**Lesson 1: Python Scripting 1**

**Exercise Instructions for Students**

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Using the Python interpreter

1. Save the number 8 to a variable called a. Save the number 4 to a variable called b. Add a and b together. Does it output 12?
2. Pick a word and save it to the variable c. Following the code in the slides, use a for loop, print out each letter of the word saved to c
3. Pick a number between 1 and 10. Write a set of conditional statements like in the slides to determine if the number is larger, equal to, or less than 5.

Using a saved Python script, repeat questions 1-3 by writing code into a saved Python script and run the code to verify the results.