2016 Master Teachers IACS Python Workshop
Pre-Course Assignment (Before 9/10)

1. Install Anaconda and create your first Jupyter notebook. To do this, follow along with the provided guide, InstallAnaconda.pdf
2. Also using the Anaconda Installation guide, upload the provided .ipynb files to your project directory (the folder in which you're working in Python).
3. Read the following introductory documents:
    a. Introduction to Programming (file: Introduction.pdf)
    b. The basics of using Jupyter (file: Basics.pdf)
4. Open and read the following .ipynb documents in Jupyter
    a. Arithmetic
    b. Data Types
5. Work through the following modules. It might be best to open a blank notebook to work in as you read through these. We encourage you to complete all of the questions labeled as "Practice Problems" at the bottom of each module, and attempt at least one of the "Advanced Problems."
    a. Variables
    b. Conditionals
    c. While Loops
    d. Lists
    e. Dictionaries (no practice problems here)

If you need help with any of these steps, we are always available by email. Additionally, Bryan Sundahl will be available September 3rd from noon to 3pm, via phone, email, or in person at IACS on Stony Brook campus.

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When emailing, please include the phrase "Master Teachers Workshop" in your email subject line.

2016 Master Teachers IACS Python Workshop
Mid-Course Assignment (after 9/10)

1. Work through the following modules. Again, it would be helpful for you to open a blank notebook and work through these while reading. We encourage you to complete all of the questions labeled as "Practice Problems" at the bottom of each module, and attempt at least one of the "Advanced Problems."
    a. Functions
    b. For Loops
    c.