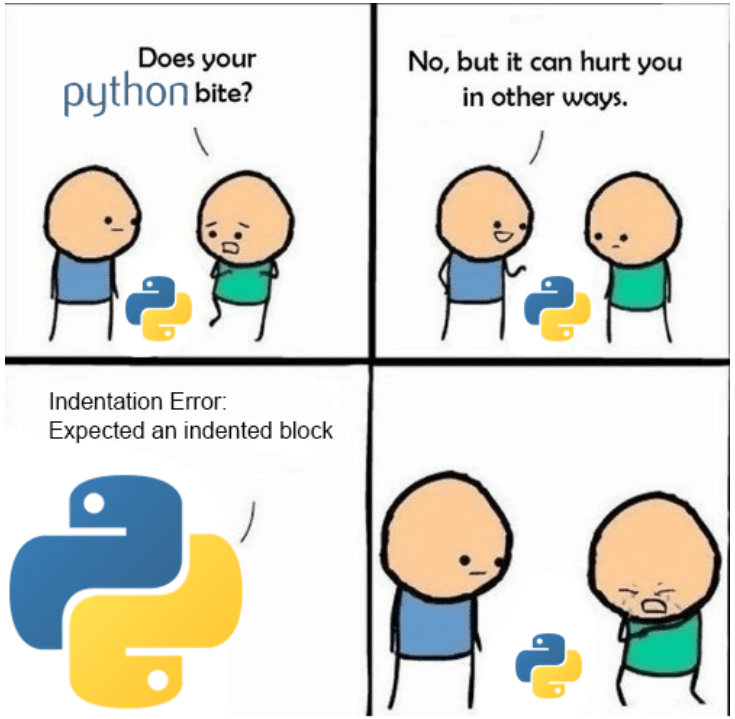
REVIEW OF PYTHON

Bring on the computer programming



He doesn't.

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LEARNING OUTCOMES

- Recall basics of programming in Python (e.g., loops, functions, conditional statements)
- Plot dynamic trajectories using Matplotlib

RESOURCES

- Course with videos, reading, examples and more
  - https://apmonitor.com/che263/index.php
- Quick syntax review
  - https://learnxinyminutes.com/docs/python/
- Many courses and material available online

TO THE NOTEBOOK!

- Open up `review_python.ipynb`

A brief review of Python commands

The objective of this file is to overview the basics of Python that you had learned in NE111. These topics are noted at a basic level and you will need to go back to the lecture notes for a more comprehensive review.

Preliminaries

This lecture relies on a prior installation of the Anaconda distribution which will install Python as well as the Jupyter Notebook. Jupyter notebook allows us to have cells containing text,

```
[ ]
#as well as cells containing code
#in this case, python code

print("Did you miss Python?")
```

Python

How to run python code

There are four methods for you to run python code:

- Running code cells from jupyter notebook
- Executing commands directly in a Python shell
- Running a py file via an editor like Spyder, PyCharm, or VSCode