**SKELETAL NOTES** (follow this template to take notes as you are working through the lab):

**Learning Objectives**

What are the main learning objectives for this lab?

**Packages:**

What packages are used in this lab?

 **Python functions**:
List all the **Python functions** learned today and their syntax:

* **turtles:**
* **folium:**
* **pandas:**

**Unix:**List all the **bash commands** learned today and their syntax:

 **FOCUS QUESTIONS** (Make sure you can answer these questions when you are done with the lab):

* Many Python packages work together. In previous labs you wrote programs that used both matplotlib.pyplot and pandas together. What did we use pandas for? What did we use pyplot for? Which are the pandas functions you used? Which are the pyplot functions you used? How did these work together? In today’s lab you used pandas with folium. What did you use pandas for? What did you use folium for? How did these work together?

* If you get an error message on a line of your code but there is no syntax error on that line, what does it mean?
* In this lab you looked at a program with a bunch of syntax errors that are easy to detect and fix from the error messages. You might also have a program that runs (does not produce any error messages) but it is not correct (does not exhibit the desired behavior). These are called *logic errors*. Think about the kinds of logic errors you might introduce in your programs, specifically:
	+ What kind of logic errors might you produce with loops?
	+ What kind of logic errors might you produce with conditional statements (if-statements)?
	+ What kind of logic errors might you produce with input/output?