

Python Exercises 2

Differential Equations

College of the Atlantic. Fall, 2014

Before class on Friday, September 19, please do the following:

1. Check out the accompanying program, run it, and make sure you understand what it does. Experiment some. Make some errors and observe what error messages python gives you.
2. Create a list that consists of the first 20 squares. (I.e., 0, 1, 4, 9, ...)
3. Write a series of if statements that checks to see if a variable z is positive, negative, or zero.
4. Optional: Create a list that consists of $\cos(x)$ for 100 values in increments of 0.1. Call this list C.
5. Optional: Create a list that consists of only those elements in the list C that are larger than 0.5.
6. Optional: Create a list that consists of only those elements in the list C that are larger than 0.5 or less than -0.5 .

There is no need to hand this in. I'll go over this in class on Friday.