

## **Collected Python facts from Lecture 2 (Tuesday Jan. 27)**

**Python fact 1: extra spaces are ignored!**

**Python fact 2: indentations are not ignored! They serve to group together several lines of code.**

**Python fact 3: “d e f” is a keyword that defines a function.**

**Python fact 4: “r e t u r n” is a keyword that defines what value will be returned by the function.**

**Python fact 5: “p r i n t” is a keyword that causes the value of an expression (or a list of expressions) to be printed to the screen.**

**Python fact 6: variables defined in functions do not exist outside of that function.**

**Python fact 7: The semi-colon lets us combine more than one statement on the same line.**

**Python fact 8: Assigning a value to a named variable overwrites whatever was already assigned to that name.**

**Python fact 9: Functions can access variables and other functions defined outside of the function.**

**Python fact 10: Use square bracket [ ] to refer to elements of an array. Use round brackets ( ) for function arguments.**

**Python fact 11: the “f o r” statement executes a statement (or series of statements) a specified number of times (a loop).**

**Python fact 12: We can easily make simple graphs with the function plot(x,y), where x and y are arrays of the same size.**