COMP SCI 101
PYTHON BASICS

DATA TYPES

There are several different data types in Python and different data types have different properties. For example, the "parts" of strings and tuples can not be modified but some other data types can be modified.

1

String
Integer
Tuple
List

Logic
Syntax
Runtime

2

ERRORS

It is inevitable when you are writing code that you will have an error at one point or another. There are several different kinds of errors (syntax, value, logic, or runtime errors). Determining what kind of error you are getting will help you debug.

VARIABLES

In Python and many other languages, you will need to create variables. Variables symbolize objects of a specific data type. For example, you can have the variable "count" that represents the value 3.

3

"num_count"
"lastnames"
"sally"

Loops
If/Elif/Else
Pass

4

CONTROL OF FLOW

Python will read and execute your code from top to bottom, one statement at a time unless you change the flow of control. You may want to do this if you want your code to do different things with different input or you want to loop over an input.