Week 7 - Lecture Notes

Welcome to Week 7!

Object oriented programming is one of the most prevalent programming methodologies for building large pieces of software. In the previous class, IS210, object oriented programming in Python was introduced to you. At this point, you should know how to create objects, customize their behavior and use inheritance to organize your objects. As part of the readings for this week, you should re-read sections of Learning Python that you covered in IS210 related to objects. These concepts are extremely important and reviewing them again will help solidify your understanding of objects.

However, there is more! Its not enough to just understand how OOP works in a given programming language. The low level details of how OOP works in Python is certainly important; however, to truly understand why we use and how to best use OOP in your programming, we need to understand how to *think* and *solve problems* in these terms.

To help with this task, please read the first three chapters of “An Introduction to Object Oriented Programming”. This will give you a deeper understanding what OOP is, why we use it, and some best practices for utilizing OOP well. Please note, this book was not written specifically for Python, and will make mention of other programming languages. Make sure to read through it and understand the more abstract concepts being presented. Also, skip sections marked with an asterisk.

This week’s assignment will have you create a program, from the ground up, that utilizes objects to model and solve a particular problem.