

Aaron T. Dean
21 FEB 2024
IT FDN 101 A - Foundations in Programming: Python
Assignment06
<https://github.com/every-place/IntroToProg-Python-Mod06>

Assignment06 – Functions

Introduction

This document provides a record of my experience in completing the Week 06 assignment for this Python class. This week, we covered functions, classes, separation of concern, and layering for organizing code.

Functions

In my low code, I have written dozens of functions. These are powerful tools, reusable code that executes complex or simple code that you don't have to write over again. If you name your functions properly, you can also capture the hard work it took to figure it out. I had not yet explored functions in Python, so it was great to learn about how to structure them.

Classes

I like the fact that you can group many functions within a particular class. It makes sense to have so many related functions simply be attributes of a class. It's like building your own library. I can see how code can build on itself and it is simpler to recall.

Separation of Concern and Layering

It took me a while to wrap my head around where to draw the line among the different layers of Data, Presentation, and Processing. Randal helped me out at the Week 7 Zoom with how to distinguish between the layers. I appreciated that. Sometimes it can be little things that become roadblocks. I want to develop the discipline to always organize my code in this professional manner.

Summary

This week was all about efficiency and organization in our code. As we get into more and more complex applications, it is great to have a best practice methodology that I can learn from the beginning. I am looking forward to building a personal library of classes and functions, so I never have to reengineer something that I already invested in.