**Assignment 7: Classes and Objects**

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**Abstract**

Many a times the same code can be repeated several times in the script file. To avoid repetition, the same code can be used once in a function definition and the function can be called several times. Custom classes are written to create multiple instances of it and perform different operations on the instances using functions.

Keywords: Classes, Functions, Global Variables.

**Assignment 7: Classes and Objects**

Assignment 7 is the seventh coding assignment of the IT Fundamentals (IT FDN 110 A) course I am taking at University of Washington. The goal of this assignment is to help me understand the usage of objects. Furthermore, I will be re-factoring my code using constructors and class methods in the assignment. This the [link](https://github.com/ruchanimbalkar/IntroToProg-Python-Mod07) to my GitHub account for Assignment 07.

**Program Summary**

I started assignment 07 using the starter file provided in module 07 files, and I updated the header script with my name in it.

**Figure 1**

*Assignment 07 Script Header is updated with my name*

A screenshot of a computer program

Description automatically generated

After that I re-organized the code with some sections using comments and added the two classes “FileProcessor” and “Person” as shown in figure 2.

**Figure 1**

*Assignment 07 Added two classes “FileProcessor” and “Person”*

A screenshot of a computer program

Description automatically generated

**References**

Randall, R.(n.d.). *IT Fundamentals* *110 A* [MOOC]. University of Washington. [Foundations of Programming (Python) - UW Professional & Continuing Education](https://www.pce.uw.edu/courses/foundations-of-programming-python)