# Intro to Programming (Python)

Assignment 03

## Overview

In this activity, you will learn about typical programming statements and constructs. You will also learn about how to download, install, and use a new Integrated Development Environment (IDE) called PyCharm. Once again you create your own scripts and document your knowledge. In later modules, your documents will be reviewed by your peers, so practice making your document and code look professional.

This assignment will include the following:

1. Watch the Module Videos:
2. Review the following web pages:
3. Watch the following videos:
4. Apply your knowledge
5. Document your knowledge
6. Submit your work

## Step 1: Watch the Module Videos

Please watch the following Module videos:

* Module03-1-Overview
* Module03-2-Using an Integrated Development Environment
* Module03-3-Pseudo Code
* Module03-4-Conditional Statements
* Module03-5-Lab 03-1 Starter
* Module03-6-Lab 03-1 Answer
* Module03-7-Comparison Operators
* Module03-7-Boolean Values
* Module03-9-Loops
* Module03-10-Program Arguments
* Module03-11-Lab 03-2 Starter
* Module03-12-Lab 03-2 Answer
* Module03-13-Writing Data to a File
* Module03-14-Lab03-3 Starter
* Module03-15-Lab03-3 Answer
* Module03-16-Chapter 03 Review
* Module03-17-Assignment 03 Starter

<http://www.youtube.com/playlist?list=PLfycUyp06LG-GGDv8SLraTbBaxhnBm7hr> (Links to an external site)

## Step 2: Review the following web pages:

Please review the following web pages. These are shorter than the book and provide online resources you can use later.

1. <http://www.tutorialspoint.com/python/python_if_else.htm> (Links to an external site)
2. <http://www.tutorialspoint.com/python/python_while_loop.htm> (Links to an external site)
3. <http://www.tutorialspoint.com/python/python_files_io.htm> (Links to an external site)

## Step 3: Watch the following videos:

Please watch this video. It will explain things a bit differently, which helps with learning!

1. Working with Files - <http://videolecture.blogspot.com/2011/04/python-programming-tutorial-41-working.html> (Links to an external site)

## Step 4: Apply your knowledge

Now that you have reviewed the websites and videos, try to do the following task.

1. Create a new program that asks the user for the name of a household item, and then asks for its estimated value. Store, both pieces of data in a text file called, HomeInventory.txt

## Step 5: Document your knowledge

You have practiced creating a simple python script that uses variables and writes data to a file. You have also seen how other people teach doing this. Now, it is your turn to **create** a simple document that outlines the steps you took in performing this assignment. The document must save as a Microsoft Word document (.doc or .docx) file.

**NOTE**: *Make sure you put it in proper, college level, formatting! It does not have to be perfect, but if you turn in a simple blob of text, you will not get credit for it! Here is a link that may help you understand what I am looking for. At a minimum look at the pictures.*

<http://jerz.setonhill.edu/writing/academic1/mla-style-papers/> (Links to an external site)

## Step 6: Submit your work.

Now, place both your .doc or docx file and your python .py file into a folder called Assignment03 and zip the entire folder. Afterwards, upload the new zip file to the class assignment page.

You are done!