Intro To Python: Class1 Homework

1) Specify a Tool

Specify a tool that automates a task that is otherwise done manually using a CG App like Maya. Assign tool with a short command name and describe it in a few sentences. Specify inputs, outputs and options and/or describe user's manual process to achieve desired results. If possible, provide screen grab images using the Windows 10 Snipping Tool to demonstrate desired results. If possible, design a user interface (UI) wrapper for the tool. It can be simple, containing a few entry fields, button and perhaps check boxes for options. You can use Photoshop to design your tool's UI. (Note: later in this course you will learn about Qt Designer.)

Save your tool description as a pdf document in your local home Documents folder under a sub-folder you create with the name: notes. I'll let you know later where to save on shared drive and I will also propose file and folder organization for your work.

Name your tool description file as this: pytool_<username>.pdf
For example my tool description file would be named: pytool_suzanne.pdf

2) Study Python

Study at least these 2 chapters from "A Byte of Python":
https://python.swaroopch.com/
https://python.swaroopch.com/basics.html
https://python.swaroopch.com/op_exp.html

It also might help to read this overview:
https://developers.maxon.net/docs/Cinema4DPythonSDK/html/misc/overview.html

Also review and get familiar with organization of official Python docs here:
https://docs.python.org/3/index.html