

## **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, 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. I'll let you know later where to save on shared drive and I will also propose file and folder organization for your work.

### **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](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/2/index.html>