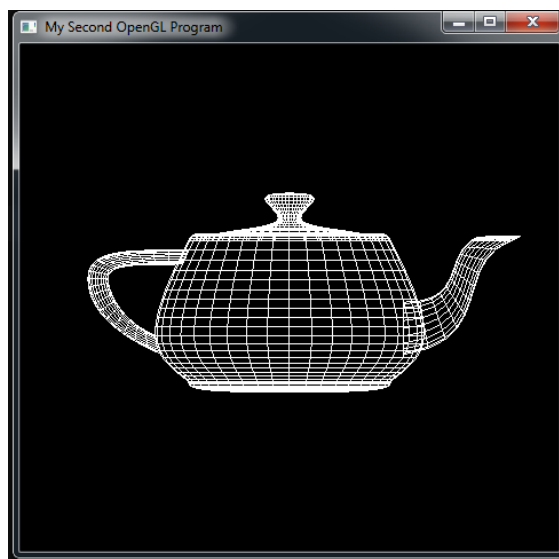
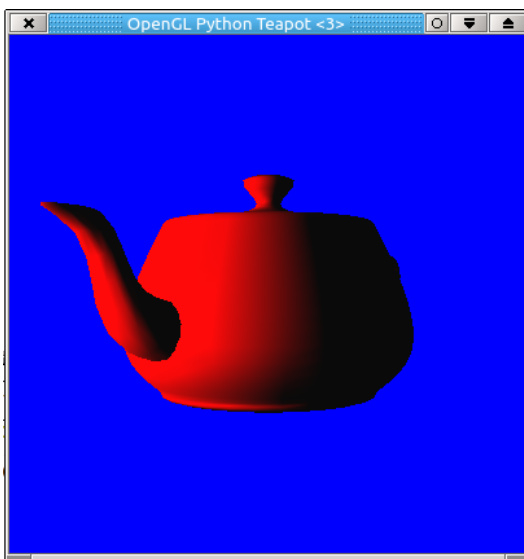


CS515: Computer Graphics

Semester I, 2020 – 2021

Programming Assignment 2: First Animation

- You will attempt to create a simple animation as part of this assignment
- Step1 : Use the code from the following links as a starting point to help you render Utah Teapot as shown below:
 - http://openglsamples.sourceforge.net/teapot_py.html
 - <https://codeloop.org/python-opengl-programming-drawing-teapot/>



• Your Task

1. Use your transformation skills from Lab Exercise 2 to create a rotating model of the teapot. Sample GIF is provided as a reference only.
2. You will do this in two ways:
 - a. The camera stays still and the teapot rotates around its axis. (Solid Teapot)
 - b. The teapot stays still and the camera revolves around the teapot in a fixed orbit (Wireframe Teapot)
3. Both of the above should give you the same effect

• Submit

1. All source files and make files as one tar-gzipped archive.
 - a. It should compile without any errors and produce the executable for testing. **Negative marks for any problems/errors.**
 - b. When unzipped, it should create a directory with your ID. Example: 2008CS1001-PA1 (NO OTHER FORMAT IS ACCEPTABLE!!! Case sensitive!!!)
 - c. **Negative marks if the TA has to manually change this to run his/her scripts!!**

- d. Source files should include the following: (Case-Sensitive file names!!)
 - i. SolidTeapotRotation.py
 - ii. WireframeCameraRevolution.py
 - e. Include a README file to convey any details (example, how to compile and run your code, which button press draws what, etc.)
2. Submit/Upload it to Google Classroom.

- **Marking**

1. Correct implementation of the functions (10 points each) : 20 Marks
2. Coding style, clarity, commenting: 5 Marks
3. Total = 25
4. **STRICTLY no copying/sharing of source code OR Discussions!.**