

**CMPS 327
FALL 2009
ASSIGNMENT #3**

**MODIFICATION OF EXAMPLE 5 FROM CHAPTER 6
(DUE DATE: October 26th)**

The assignment is to modify the code for example 5 from chapter 6. The program shows a teapot rotating about the Y-axis. There is a spotlight illuminating the teapot from above and to the left.

Here are the changes you will make.

- Move the spotlight to a position directly over the teapot (0, 10, 0).
- Move the camera up 10 on the Y axis so it views the top of the teapot.
- Add code to the program to control the position of the spotlight in increments of 0.5.
- Pressing U on the keyboard will move the spotlight up (+Y).
- Pressing D on the keyboard will move the spotlight down (-Y).
- Pressing L on the keyboard will move the spotlight left (-X).
- Pressing R on the keyboard will move the spotlight right (+X).
- Pressing B on the keyboard will move the spotlight back (-Z).
- Pressing F on the keyboard will move the spotlight forward (+Z).
- Add a message that displays the instructions at the start of the program.