CS2600 Homework 4

Be sure to read this document carefully. You are responsible to read and understand all of these instructions. If you have questions, be sure to ask, either in class, by email, or at office hours.

Description

For this homework, you will be making a shell script (using whichever shell you prefer).

- The script will be named *move* (followed by the appropriate suffix for the shell, *.sh*, *.csh*, *.ksh*, or *.bash*).
- The script takes two command line parameters. The first is the name of a file on your system, and the second is the new name for that file.
- The script will move the file (rename the file), so

  $ move src.c dst.c

  will rename the file 'src.c' to be 'dst.c'.
- Yes, this script will probably use the *mv* command to actually do the move.
- However, if there is already a file named *dst.c* (in this case), then the script will try the name *dst.c.1* instead. If there is already a file with *that* name, it will try the name *dst.c.2*, and so on, until it finds a unique name. It then performs the move.

Make sure that you have a comment line near the top of the script giving your name.

Collaboration vs Cheating

Recall that Cal Poly's Academic Integrity policy states that all homework should be your own work. You should not turn in someone else's work with your name on it. Since this is ***not*** a group project, you ***cannot*** work on the assignment together, turning in joint work.

Grading

This homework is worth 6 points (6% of your grade for the course). Your score will be computed as follows:

- **2 points:** Your script correctly compiles.
- **1 point:** Your script includes comments that explain the operation of your code.
- **1 point:** The spacing and indentation of your output matches the example shown above
- **2 points:** You have followed *all of the instructions* in the *Description* section.
- **-∞ points:** Cheating.

Turning In Homework

You will submit your homework to Blackboard. Your submission should just be one single text file, with the first part of the file being your script and the second being the output of some sample runs (where you first do an *ls* to show all the files in the directory, then include several runs of *move* to test out various possibilities, then a final *ls* to show the final results.

Due Date

The homework is due on **May 20**, by the end of the day.