ME 701 – Development of Computer Applications In Mechanical Engineering
Homework 2

All submissions must be through GitHub.

Problem 1

Write a bash script that converts a temperature from degrees Fahrenheit to degrees Celcius. One way is to use `bc`; see TLCL for more. The script should be called `temperature.sh`.

Problem 2

Write a bash script that provides a count of the number of files and subdirectories in the current directory. Hint: use `grep`. The script should be named `count_files_and_subdirs.sh`.

Problem 3

For this problem, you need to find a partner (or team of partners) in the class. You are then to do the following:

1. Add your partner's repository as a remote
2. Fetch and checkout your partners `master` branch as a new branch named `dev` in your own, local repository
3. Modify your partner's `temperature.sh` script to output the temperature in Kelvin, too.
4. Commit any changes and `push` to *your* GitHub repository as a new remote branch named `dev`
5. Make a *pull request* from your remote `dev` branch into your partner's `master` branch
6. Communicate as needed so that the pull request is reviewed and accepted.

For full credit, each of the steps described above must be clearly visible from the commit log!