**Assignment 1: Due – Sunday, July 21 at 9 PM**

**Turning in:** For each task, push your responses as a **txt** (text, ascii) file into your GitHub repo in a folder called Assignment1. I will look at three files for your answers: task1.txt, task2.txt, and task3.txt.

**Task 1**.

Use a package management tool to install a program on a machine (at home or work) where you can do this. Document the process; include some snapshots that show a couple of the more important steps you had to take.

Observations:

* On Linux, it is very likely that you already have a package management tool that you can use
* On Windows, Chocolatey might be a good candidate. You’ll first have to install it though.
* Do not try to install a program on Euler; do this exercise on a machine at home (or work, if you are allowed to)

**Task 2.**

Log into Euler and use it to answer the following questions:

Please note that you should use Euler and not another Linux system for this particular exercise.

1. What directory/folder do you start in when you log in to Euler? Give the full path to the directory.
2. What shell is running when you log in? (Use this resource: <https://www.learnshell.org/>)
3. Identify two flags (other than -l, -r, -t) that can be passed to the **ls** command. Explain what the flags do.
4. How many lines of text are in the file **/proc/cpuinfo**?
5. Using the **module** command, determine the highest available version of GCC on Euler.

**Task 3.**

Choose either **vim** or **nano** as text editors on Euler and answer the following in the file task3.txt:

1. Which editor did you choose?
2. What command(s) would you use to save a file and exit the editor?
3. What command(s)/process would you use to (i) paste a section of text (ii) copy a line of text (iii) search the file for a word (if possible).