Homework 1

Newton Free Library GNU/Linux course

Due: Wednesday November 4, 2015

1. Open emacs and do the emacs tutorial, (C-h t).

2. Open a file with emacs called hwk1.txt

3. Write your name, email and the fact that it will contain solutions to hwk1:

   ```
   Name: Marc Ronell
   email: mronell@alumni.upenn.edu
   filename: hwk1_solutions.txt
   ```

4. Save the file as hwk1 solutions.txt

5. Use the date function to print today's date. Paste the command you used and the output into your emacs file using your mouse.

6. Use the date function to compute the date of next Friday and paste both the command and its result into the homework file.

7. From your home directory, create a sub directory called ~/hwk/hwk1. Use the command "mkdir -p ~/hwk/hwk1" to create the directories. Switch to that directory by using the change directory command as "cd ~/hwk/hwk1".

8. Download the hwk1 data files, data1.txt and data2.txt into your Linux box.

9. At the prompt, print the first name of the husband of Veronica using the grep and the cut command on the data1.txt file. First print all lines with the name Veronica from the data1.txt file. Then pipe ('|') the result to cut and cut the 3rd field which should contain the husband's name.

10. Follow the lecture notes on the Shell and use join to combine the data1.txt file and the data2.txt file using the social security number field. Direct the output of the join command into a file called output.txt just like in the lecture notes.

11. Use grep and cut to print the license plate of the car in Angela's family from the output file you generated in the previous step. Also, print the car make. Paste both your command and its output into the hwk1 solutions.txt file.

12. Email me the contents of your hwk1 solutions.txt file