PHY 380 Introduction to Linux User_____

By the end of class today, you should be able to navigate the file system and perform some basic manipulation of the Linux system.

To facilitate this, play around with the OS and answer the following questions.

1. Change directories to /Users. What does *cd ~* do? How is that different from simply typing *cd* with no args? What happens if you enter *cd ~dpawlows*? What does the command *pwd* do?

2. List the contents of my directory. Make sure that your list includes all files (including hidden, or "dot" files) and shows the file permissions and modification times. What command did you use?

3. Create a new directory in your home directory called "Phy380" then move that directory into your Documents directory. Create the Documents directory if you don't have one already. What commands did you use?

4. Copy the file ~dpawlows/Public/Phy380/IC1/IC1.txt to your Phy380 directory. How would you do this using a **relative path**? How about using an **absolute path**?

5. Go into your Phy380 directory. Make a copy of IC1.txt to the file temp.txt using the *cat* command. Delete the file. What commands did you use?

6. Use *cat* to view IC1.txt. Use *cat* to append the text 'This is due by tomorrow night' to the bottom of IC1.txt. What commands did you use?

7. Find the location of the *submit* command. What does the command
   >> *ps aux | grep -Hi $USER* do? What does that $ do?

8. Use the command
   >> *emacs IC1.txt*
to open the file (note that I use the ">>" to indicate the Terminal prompt). Add your answers to each of the questions. Remember, you can't use the mouse. When finished, exit with Control-x Control-c. It will ask you to save. Type 'y'.

9. Submit this file to be graded using the command (assuming you are in the same directory as IC1.txt still):
   >> *submit IC1 IC1.txt*