1 Purpose:

What we will learn:

1. Opening the terminal!
2. Simple navigation commands: **cd**, **ls**
3. Where am I? **pwd**
4. Everything starts from / (root directory). - Global Paths
5. Relative paths who?
   dot dot (..), dot (.), tilde (∼) → parent/up, current location, home sweet home
6. File structure: $/, /etc, /dev, /bin, /usr, /acct$
7. Print contents of files: **cat**
8. Create empty directories and files: **mkdir**, **touch**
9. Download files from the internet: **wget**, **curl**
10. Move files/directories and rename them: **mv**
11. Delete files: **rm**

2 Practice:

You don't have to submit anything for this part. Just follow along in class.

3 Start Here:

Before starting be sure to open a text editor i.e. 'gedit' and add the output of 'hostname' and 'whoami' to the top of the file. Save the file as username_lab01.txt on your '∼/Desktop' directory and keep it open.

4 Test:

Please answer these questions based on what you have learned in this lab. **Record your answers in a '.txt' file named username_lab01.txt**

1. What directory do you start in when you open a terminal? (The name of the directory, not the global/relative path)?
2. What is the relative path for the question above? What is the global path?
3. Using **one** of the **relative path symbols**, give **one** command and to navigate from your ∼ directory to the root directory '\'.
4. What is the full command you would use to get to the root directory **without** using the relative path symbols?
5. What command should you use to get back to your ∼ directory?

Be sure to start this part in your ∼ directory.

6. Navigate to your '∼/Desktop' directory (Command is your answer).
7. Show the files/directories in the directory (Command and output is your answer).
8. Print the contents of the username_lab01.txt file (Command and output is your answer).
9. Create an empty file called 'xtrain.csv' and a directory called 'data'. Your answer should include the commands you use and the output showing that the files exist.
10. Move the 'xtrain.csv' into the 'data' directory. (Give the command you used and show that the file was moved)

After you have answered all the above questions, delete the 'xtrain.csv' file and the 'data' directory. Use 'rm -r data' while you are in the '∼/Desktop' directory.

5 Submission:

Please save your lab as a '.txt' file with the name username_lab01.txt.