

**Lab #2: Basic Unix Commands and vi Editor**

*Attempt each of the following tasks on the Linux machine, and write down the corresponding Linux commands you used for each task in your lab notebook:*

1. Make a directory called **assign1** under your home directory.
2. Change to this directory.
3. Make three empty files: **file1 file2** and **file3**.  
(You can either use the **touch** command, or the > operator. Try both.)
4. Store the list of all the files and directories (long listing) in a file called **dirfile**.  
(Use redirection operator > )
5. Display the contents of **dirfile** on the screen.
6. Store in a file called **userlist** the list of users who are currently logged into the system.
7. Combine the contents of **dirfile** and **userlist** and store in the file called **file1**.
8. Print the number of lines, words and characters in **file1**.
9. Copy the contents of **file1** into **file2**.
10. Append the following two lines into **file2**:  

```
    This is file2.  
    And I am using Linux!
```
11. Open **file3** using vi editor and add the following line of text to it: *This is file3!*
12. Save and exit editing **file3**.
13. Append the contents of **file2** to **file3**.
14. Open **file3** using vi editor again, and insert the following line after the first line:  
(25 asterisks)  

```
*****
```
15. Now insert a line of 25 asterisks after the last line of **file3**, just by using few vi commands (that is, do not type out the line again).
16. Save the modified file into another file named file4, without exiting vi editor.
17. Now, count the number of characters in file4, without exiting vi editor. (You can escape to the shell by typing ! in the command line mode.)
18. Exit vi editor, so that none of these changes you made is recorded in file3.