East West University Bangladesh
Computing Science and Engineering Department

CSE-325: Operating System, Lab 1a

Objectives:

- Work with file and directory commands at the Linux command line

1. Create a directory to hold the material for this lab with the command:
   mkdir lab02
   then position your session in the directory with the command:
   cd lab02
   then create two more sub-directories called **lab02a** and **lab02b**.

2. Create a file using the command:
   cat>>foo
   then type the text "Greetings Earthling" followed by ctrl+d

3. Repeat the above to create a file called **bar** containing **"Take me to your leader".** Use the cat command to combine the two files into one called **foobar**.

4. Do a directory listing (ls –l)to see the contents of your folder.

5. Now take a copy of **foobar** into each of the lab02a and lab02b sub-directories.

6. Move to subdirectory lab02a:
   cd lab02a
   Create a copy of foobar:
   cp foobar foobar2
   then remove the original foobar file:
   rm foobar

7. Move your context to the lab02b subdirectory. Rename (using mv command) the foobar file to be your name.

8. Move to your home directory and clear the screen (using **clear** command). Take a screen shot of a final full directory after listing:
   ls-IR
   small l and then Cap R
9. Use sort command to sort the contents inside the file and put the sorted contents to foobar file.
   sort lab02a\foobar2 >>foobar
   more foobar

East West University Bangladesh
Computing Science and Engineering Department

CSE-325: Operating System, Lab 1b

Objectives

- Work with file and directory permissions

10. Create a directory to hold the material for this lab with the command:
    mkdir lab03
    then position your session in the directory with the command:
    cd lab03
    then create two more sub-directories called **lab03a** and **lab03b**.

11. Create some files using commands:
    date>>sept.txt
    cal 2014>>year.txt

12. Do a directory listing (ls –l) to see the contents of your folder.

13. Now take a copy of both files into the lab03a sub-directory.

14. Move to subdirectory lab03a:
    Use **chmod** to change **sept.txt** to have read access only by you.
    Check by using **ls-l** and then attempt to remove the file.
    Use **chmod** to change **year.txt** to have read access by all three levels.

15. Move your context to the **lab03b** subdirectory.
    Set a permission mask to have read and write access by all three levels for any new files being created.
    Create a file called **birthday.txt** showing the month you were born.

16. Move to your home directory and clear the screen. Take a screen shot of a final full directory listing:
    ls-IR