# **Lab Exercise 3**

# **UNIX Filesystem**

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1. **List the directories in the root directory implemented on the Unix system you are using. Bin, boot, dev, etc, home, lib, lib64, lost+found, media, mnt, opt, proc, root, run, sbin, selinux, srv, sys, tmp, usr, var**
2. **List the directories in the /home directory drive, likewise-opn, mickg**
3. **What is your home directory? *ICTDOMAIN\c13569113@attu:/home$***
4. **What hidden files are in your directory? *.bash\_history, .bash\_logout, .bashrc, .kslogin, .lesshst, .profile***
5. **Create a file called myfile in your home directory. Here are 2 ways to create a file in UNIX.**

**a. cat command**

**$ cat >myfile [enter]**

**Type in any text you like here. This will be stored in the file.**

**^d (ctrl d)**

1. **touch command**

**$ touch myfile**

**What are the relative and absolute names for this file while you remain in the home directory? Relative = myfile Absolute = /home/likewise-open/ICTDOMAIN/c13569113/myfile**

1. **Change to the directory /usr. How do you list the files in your home directory using ~ symbol? ls ~**
2. **How do you find the most recently modified file in your home directory?** (**hint: look at the man pages for the ls command) ls –l will list the dates of modification of the files in the directory**
3. **How do you get a long listing of all of the files in your directory?**

**Ls -l**

1. **From the current directory, how do you display the contents of the next**

**higher directory (without specifying the full pathname?**

**Ls../**

**9. Create the following files:**

**afile1 afile2 afile3**

**bfile1 bfile2 bfile3**

**cfile1 cfile2 cfile3**

**dfile1 dfile2 dfile3**

**efile1 efile2 efile3**

**ffile1 ffile2 ffile3**

**gfile1 gfile2 gfile3**

**To list all files beginning with the letters a to f, type ls /bin/[a-f]\***

**What output does the following command produce? ls /bin/[b,g]\*?**

***bfil1e1, bfile2, bfile3, gfile1, gfile2, gfile3. This list all the files in the directory beginning with b and g***