**Preparation**

**1**. What will happen if you type man man in Linux?

2. How can you use the command ls to find out about the size of the file */etc/lilo.con*?

3. What happens to the files in the command mv *file1 file2* ? Which option of mv issues a warning?

4. What is the command that you issue if you are in directory / and want to copy the file /mydata to directory /labdata?

5. What is the command that you issue if you are in directory / and want to copy all files and directories under /mydirectory to directory /newdirectory?

6. What happens when you type rm \* in a directory?

7. What is the command used to delete all files and directories under the directory */mydirectory*?

This question covers basic file manipulation. To begin this question use the first button to set up a small file and directory tree in /home/caine. The resulting tree looks like:

/

+--- home

|

+--- caine

|

+--- test1

| +--- file1

| +--- file2

| +--- file3

| +--- file4

|

+--- mydir1

| +--- info1

| +--- info2

|

+--- data

| +--- data1

| +--- data2

|

+--- lines

+--- words

+--- info

8. Bottom of Form

9. COPY file1 from test1 to data. Keep the name as file1.

10. COPY file2 from test1 to data. Change the name as you copy the file to the new name of filecopy1

11. Rename info1 to newinfo1. Do not move it out of mydir1 ?

12. Change directory into mydir1, and then copy "lines" into the current directory.

13. Still in mydir1, concatinate info2 and lines, saving the output as "joined".?

14. Still in mydir1, concatinate info2 and lines and file1 from test1, saving the output as "joined2".?

**Classwork**

**Exercise 1:**

In the console or terminal window, type the following LINUX commands on the command line.

Note and write down the results

$ ls

$ pwd

$ps

$ cd ..

$ pwd

$ cd /usr/local

$ ls

**Exercise 2:**

Execute the following command and explain the meaning of each of them.

• ifconfig

• route –n

• hostname

• cat /proc/cpuinfo

• free –m or top

• dpkg ‐l

• uname –r

**Exercise 3:**

In your home folder, create a folder tree as following. Note that, the rectangular describes a folder and the circle represent for a file. You can add any information into your created files.

|  |  |
| --- | --- |
|  |  |
|  | - Create file Hello.java in folder Java and add whatever you want into that file.  - Copy file Hello.java to folder OS and rename it to newHello.txt  **Exercise 4:**  - Create a file named user.txt. Then, you add n usernames (each in one line, n>=5). (cat >)  - Display the content of file user.txt (cat )  - Display list of n sorted usernames in your file and store that sorted list into a new file named suser.txt (sort)  - Count the number of users in your file and display it. |