HNDIT 2402 – Free and Open Source Software Solutions

Week 4
Lab activity

1. **State the purpose of the following commands with a snapshot after running each command**
    i.   date
    ii.   cal
    iii.   uptime
    iv.   w
    v.   whoami
    vi.   finger user
    vii.   uname -a
    viii. cat /proc/cpuinfo
    ix.   cat /proc/meminfo
    x.   df
    xi.   du
    xii.   free

2. **Try following commands (give a snapshot for each)**

    i.   ls – Directory listing
    ii.   ls -l – List files in current directory using long format
    iii.   ls -laC – List all files in current directory in long format and display in columns
    iv.   ls -F – List files in current directory and indicate the file type
    v.   ls -al – Formatted listing with hidden files
    vi.   cd dir – Change directory to dir
    vii.   cd – Change to home
    viii.   mkdir dir – Create a directory dir
    ix.   pwd – Show current directory
    x.   rm name – Remove a file or directory called name
    xi.   rm -r dir – Delete directory dir
    xii.   rm -f file – Force remove file
    xiii.   rm -rf dir – Force remove an entire directory dir and all it's included files and subdirectories (use with extreme caution)
    xiv.   cp file1 file2 – Copy file1 to file2
    xv.   cp -r dir1 dir2 – Copy dir1 to dir2; create dir2 if it doesn't exist
    xvi.   cp file /home/dirname – Copy the file called filename to the /home/dirname directory
    xvii.   mv file /home/dirname – Move the file called filename to the /home/dirname directory
    xviii. mv file1 file2 – Rename or move file1 to file2; if file2 is an existing directory, moves file1 into directoryfile2

3. **Give Commands for the followings. State your result**

   (Hint: for b - e, use different options of 'uname' command)

   a. To view your network hostname
   b. The information of your system (hardware, CPU, etc.,)
   c. To get information about kernel-version
   d. To get the information about your kernel release
   e. To print your machine hardware name
   f. To run all this information together

4. **What is a 'man page' in Linux? State the options for system reboot and halt given in shutdown man page. Give the complete commands for reboot and halt**

5. **Try to find 'man pages' using following commands**

   a. Which man
   b. Whereis man