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| Program- BTech-3rd Semester | Type- Sp. Core-I |
| Course Code- CSET213 | Course Name-Linux and Shell Programming |
| Year- 2024 | Semester- Odd |
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**Lab Assignment 2**

**Objective**: Linux commands- commands

**Outcomes:** Hands-on working on basic Linux commands.

**Problem:** Open terminal and run the following commands to get familiar with Linux command line interface (CLI):

1. **Basic Linux Commands**
   1. Make a new directory(folder): mkdir dirname
   2. Create/Open text file using vi : vi \_lename
   3. Copy file: cp src dest
   4. Copy folder: cp -r src dest
   5. Rename: mv originalname newname
   6. Delete a single file: rm filename
   7. Delete a whole folder: rm -r foldername
   8. Change working directory: cd path
   9. Move to parent folder: cd ..
   10. List contents of a folder: ls
   11. List contents of a folder including hidden \_les: ls -a.
   12. Print current directory: pwd.
   13. Open manual for a command: man commandname
2. **To Do (For Continuous Lab Evaluation)**
   1. Create a new directory with the name LSP
   2. Change the current directory to LSP
   3. In this directory, create another folder, called as Lab1.
   4. Change the current directory to Lab1.
   5. Create a text file me.txt using gedit/vi/nano and write your complete details (Name, Roll No, Program, Sem etc.) in it. Save and close it
   6. Copy the contents of me.txt to mycopy.txt using cp
   7. Open mycopy.txt using gedit/vi/nano and verify that it is a copy of me.txt. Close the file
   8. Rename mycopy.txt as stillme.txt using mv
   9. Check if the file has been renamed by listing the contents using ls
   10. Move out of LSP using cd .. twice. (TIP: You can retrieve previous commands you typed using the UP arrow key without typing them again.)
   11. Copy the directory hierarchy LSP to LSPcopy using cp -r
   12. Check the contents of the folder LSPcopy by going to the folder (cd) and then listing the contents(ls).
   13. Go out of the folder (cd ..) and delete the whole directory LSPcopy using rm -r
   14. You can use man to learn about different commands