
This course unit designed to do the relevant practical in the Course CSC2133 – Operating Systems.

Practical 01 is designed to be familiar with the basic use of a Linux system.

Practical 01

- i. Boot the PC from Linux OS and Login to the Linux system as.

User Name: bcs2

Password: bcs2pwd

- ii. See details of the PC from settings.
- iii. Start a terminal (Activities → Terminal) and identify the terminal prompt (username@host)
- iv. List the content of the user's home folder (`ls`).
- v. List the content of /home folder and identify another two user accounts of the system (`ls /home/`)
- vi. List the content of the user's home folder in tree view (`tree`)
- vii. See the output of following commands.
- `who -q`
 - `whoami`
- viii. Get another terminal session (CTRL+ALT+F2) and try to login using another account name which was seen previously.
- ix. Repeat step (vi) in current terminal.
- x. Get another terminal session and try to login using another account name which was seen previously.
- xi. Repeat step (iv) in current terminal.
- xii. Logout from 3rd terminal.
- xiii. Switch to 2nd terminal.
- xiv. Check for the commands you have used previously, using appropriate arrow keys and activate **who-q** and **whoami** commands.
- xv. Try to load XWindows / GUI in second terminal(`$ startx`)
- xvi. Logout from the 2nd terminal.
- xvii. Switch to 1st terminal.
- xviii. Repeat step (xi) in current terminal.

2. Linux commands

- i. Open a terminal.
- ii. Using that terminal, type the commands and record you answers to the questions.
1. `date`
Is the date and time correct?

2. `cal2000`
What happens when you type `cal 1752`?
3. `who`
How many users are currently logged on to the system?
4. `whoami`
What is the terminal device you are using?
5. `hostname`
What is the name of the computer you are interacting with?
6. `id`
What is your uid (userid) number?
7. `clear`
What happens to your screen?
8. `ps`
What is the active process?
9. `tty`
What terminal device are you using?
10. What do these commands do?
 - i. `uname`
 - ii. `history`
 - iii. `finger`
 - iv. `last`
 - v. `top`
11. Using an xterm
 - a. Get manual page for **xterm**.
 - b. Try to find the meaning of `bg`, `fg`, `bd` options.
 - c. Try to get a red background and yellow foreground xterm.
 - d. Make a directory named "Linux" in `bsc2\OS` directory.
 - e. Make a directory named "mywork" in `bsc2\Application` directory.
12. Using **Gedit** type your subjects and save as **sub.txt** in **OS** folder.
13. Using **vi** Editor type your address and save as **me.txt** in Application folder.
14. Using another text editor, type your friends name and save as **friends.txt** in **image** folder.
15. Move **sub.txt** to 2nd workspace and see how many workspaces do you have?
16. Open **friends.txt** to 3th workspace and see how many workspaces do you have?
17. Load a game program on 1st workspace.
18. Load a web browser on 2nd workspace.
19. Navigate all workspaces and see content.
20. Create **myman.txt** using **man ls**.
21. Look at the content of **myman.txt** using different commands.
22. Set permission of **myman.txt**, as given below.
 - a. Only the owner can read, write and execute. Use `+`, `-` with `chmod`
 - b. Set all can read, write and execute. Use numerical way with `chmod`.