

Note:

I recommend to record the Lab session (video or screen capture) for future reference

To record all your session you can use the command “script”.

The aim of this lab work is to understand Basic GNU/linux command

LAB : 1

To Open the terminal (ctrl + Alt + T)

1. Find out which shell you are currently using
2. Find all the system defined variables
3. Find the present Directory
4. Change directory to / (root)
5. List the contents of /home directory
6. Create directory in your name.
7. Go to your directory
8. Create a file using vi , gedit called “file1”, and “file2”
9. create an empty file using touch (Ex: touch filename)
10. list out the files and folders in the current directory
11. modify the file time stamp using touch command

12. To find the details of the file

Hint: ls -l

13. To exit from the terminal **type:** exit

14. Change the timestamp of the file.

Hint : To check the time : ls -l

To change the modified time : touch

15. To clear the screen, the command is clear

LAB : 1

16. Find out currently logged in user **Hint:** whoami
17. Explore date, cal with various options and formats
18. Explore the command history **Hint:** history
19. Explore the command: bc (basic calculator)
Hint: press q to quit
20. What is the alternate command to ls
21. create the shortcut to the command clear **Hint:** alias
22. List out the different shortcuts available in the system
23. Find the hidden files in the your home directory
24. find the inode number of “file1” **Hint:** ls -li
25. Find out the kernel version of your system

Note: Make documentation of your lab work

26. List out the information available in `/etc/passwd`
27. Explore `/proc/cpuinfo`, find out what are information available in the file
28. Explore `/proc/meminfo`, find out what are information available in the file
29. What is the difference between `which` and `whatis`
30. Differentiate between `df`, `du`, `free` command
31. Create a child folder with parent folder in single command
32. Create empty files using `touch` command
33. Compress the file using `tar` command
34. Explore `history` command
35. Explore absolute path and relative path using `rm`, `cp`, `mv` command

A black and white portrait of Albert Einstein, showing his head and shoulders. He has his characteristic wild, white hair and a mustache. His hands are clasped together in front of him. The background is dark. Overlaid on the right side of the image is a quote in white, bold, sans-serif capital letters.

**A PERSON WHO NEVER
MADE A MISTAKE,
NEVER TRIED
ANYTHING NEW.**

-ALBERT EINSTEIN