# LINUX LAB- 1 ASSIGNMENT

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| Question | Command | Output |
|---|---|---|
| 1. Login as guest (password is guest123) | su guest | |
| 2. Find the present Directory | pwd | /home/student |
| 3. Write the / directory structure | tree | |
| 4. Write a few commands available in /bin and /sbin directory | cd/bin<br>ls<br><br>cd/sbin<br>ls | cp,chmod,ls,echo, login<br><br><br>arp,busybox, change_console,arptable s,shutdown |
| 5. Find the guest directory | find / -name "guest" | /home/guest |
| 6. Write the permissions of guest directory | cd/home<br>ls -la | drwx------ |
| 7. Create a new Directory test in guest directory | mkdir test | |
| 8. Write the permissions of test directory | ls -la | -rw-r--r-- |
| 9. Copy the file /etc/resolv.conf in test directory | cp /etc/resolv.conf /test<br>cd test<br>ls | resolv.conf |
| 10. Rename the test directory to testing | cd ..<br>mv test testing<br>ls | Testing |
| 11. Delete the testing directory | rm –r testing | |
| 12. Change the permissions of guest directory to 775 | cd/home<br>chmod 775 guest | |
| 13. Change the permissions of /tmp directory to 700 | cd /<br>chmod 700 /tmp | |
| 14. Login as root user | sudo passwd root<br>su root | |
| 15. Change the permissions of guest directory to 700 | chmod 700 guest | |
| 16. The location of kernel files in Unix File System is /boot and by looking at the kernel file, write the kernel version you are using in | uname -v | 72-Ubuntu SMP |

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|---|---|---|
| your system. | | |
| 17. Login as guest | su guest | |
| 18. Change directory to / | cd / | |
| 19. List the contents of /home directory | ls/home | harsh<br>guest |
| 20. Find the group to which guest belongs | guest | |
| 21. Create a file sidbi in the home area of guest (hint: use touch command) | touch sidbi | |
| 22. Find the permissions of the file sidbi | ls -l | -rw-r--r-- |
| 23. Find the inode number of file sidbi (hint: ls –li) | ls -li | 808644 |
| 24. Copy the file sidbi to sidbi1 | cp sidbi sidbi1 | |
| 25. Find the inode number of file sidbi1 (hint: ls –li) | ls -li | 808645 |
| 26. Move the file sidbi to sidbi2 | mv sidbi sidbi2 | |
| 27. Find the inode number of file sidbi2 (hint: ls –li) | ls -li | 808644 |
| 28. Move sidbi2 to sidbi | mv sidbi2  sidbi | |
| 29. Login as root | sudo -s | |
| 30. Create a new user guest1 with same group as guest (hint: use GUI tool Applications→System Settings→ Users and Groups)[More on this later in the course] | | |
| 31. Create a new user guest2 with a different group than the group of guest (hint: use GUI tool Applications→System Settings→ Users and Groups) | | |
| 32. Find, what permissions should the file sidbi have, so that both guest1 and guest2 can write into this file. | 644 | |