

LINUX LAB- 1 ASSIGNMENT

1. Login as guest (password is guest123)
 - `sudo -I -u guest`
2. Find the present Directory
 - pwd
 - /home/guest
3. Write the / directory structure
 - `tree`
4. Write a few commands available in /bin and /sbin directory
 - `sh`
 - `sh.disturb`
 - `static-sh`
 - `mt`
 - `nc`
5. Find the guest directory
 - /home/guest
6. Write the permissions of guest directory
 - `ls -la`
7. Create a new Directory test in guest directory-
 - `mkdir test`
8. Write the permissions of test directory-
 - `ls -la`
 - `drwxr-xr-x`
9. Copy the file /etc/resolv.conf in test directory
 - `sudo cp /etc/resolv.conf /home/guest/test`
10. Rename the test directory to testing
 - `mv test testing`
11. Delete the testing directory
 - `rm -r testing`
12. Change the permissions of guest directory to 775
 - `chmod 775 guest`
13. Change the permissions of /tmp directory to 700
 - `chmod 700 /tmp`
14. Login as root user

- sudo login dell
15. Change the permissions of guest directory to 700
- chmod 700 /home/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 your system.
- vmlinuz-3.2.0-29-generic - kernel file
 - version - 81-Ubuntu SMP
17. Login as guest
- su guest
18. Change directory to /
- cd /
19. List the contents of /home directory
- bin
 - cdrom
 - etc
 - host
 - initrd.img.old lib64
 - media
 - opt
 - root
 - sbin
 - srv
 - tmp
 - var
 - vmlinuz.old
-
- boot
 - dev
 - home
 - initrd.img
 - lib
 - lost+found
 - mnt
 - proc
 - run
 - selinux
 - sys
 - usr
 - vmlinuz
20. Find the group to which guest belongs
- groups 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
- -rw-rw-r--
23. Find the inode number of file sidbi (hint: ls -li)
- 406878
24. Copy the file sidbi to sidbi1
- cp sidbi /home/guest/sidbi1
25. Find the inode number of file sidbi1 (hint: ls -li)
- 406899
26. Move the file sidbi to sidbi2
- mv sidbi /home/guest/sidbi2
27. Find the inode number of file sidbi2 (hint: ls -li)
- 406878
28. Move sidbi2 to sidbi
- mv sidbi2 sidbi
29. Login as root
- sudo login dell
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.