LINUX LAB- 1 ASSIGNMENT

1. Login as guest (password is guest123)

- su hduser

2. Find the present Directory

- pwd

3. Write the / directory structure

- tree

4. Write a few commands available in /bin and /sbin directory

- /bin
    - cat
    - chmod
    - chown
    - chgrp
    - cp
    - ls
    - echo
- /sbin
    - chkconfig
    - dhcpclient
    - fsck
    - shutdown
    - arptable

5. Find the guest directory

- Find / -name “hduser”

6. Write the permissions of guest directory

- ls -la

7. Create a new Directory test in guest directory

- sudo mkdir hduser/test

8. Write the permissions of test directory

- ls -la

9. Copy the file /etc/resolv.conf in test directory

- sudo cp etc/resolv.conf home/hduser/test

10. Rename the test directory to testing

- sudo mv home/hduser/test home/hduser/testing

11. Delete the testing directory

- rm -rf home/hduser/testing

12. Change the permissions of guest directory to 775

- sudo chmod 775 home/hduser

13. Change the permissions of /tmp directory to 700

- sudo chmod 700 tmp

14. Login as root user

- sudo –s
- sudo su
- su root

15. Change the permissions of guest directory to 700

- chmod 700 home/hduser

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.

- uname -r

17. Login as guest

- login admin-hp

18. Change directory to /

- cd /

19. List the contents of /home directory

- ls -a

20. Find the group to which guest belongs

- groups

21. Create a file sidbi in the home area of guest (hint: use touch command)

- sudo touch home/hduser/sidbi

22. Find the permissions of the file sidbi

- ls -la

23. Find the inode number of file sidbi (hint: ls –li)

- ls - li

24. Copy the file sidbi to sidbi1

- cp sidbi sidbi1

25. Find the inode number of file sidbi1 (hint: ls –li)

- ls -li

26. Move the file sidbi to sidbi2

- mv sidbi2 sidbi

27. Find the inode number of file sidbi2 (hint: ls –li)

- ls -li

28. Move sidbi2 to sidbi

- mv sidbi2 sidbi

29. Login as root

- sudo su
- su 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.

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  NOTE: This assignment will mostly be similar to that of Shikhar Pandya(ID: 121050) as Ubuntu was not configured on my laptop.