**LAB 1**

**ASSIGNMENT**

**-PATEL URJA (121058)**

1. Login as guest (password is guest123)

* su student

2. Find the present Directory

* pwd

3. Write the / directory structure

* tree

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

cd /root/home/bin

* /bin commands

ls

mkdir new1

cd

date

cd /root/home/sbin

* /sbin commands

clock

5. Find the guest directory

* locate student

6. Write the permissions of guest directory

* ls -l

7. Create a new Directory test in guest directory

* mkdir test

8. Write the permissions of test directory

* ls -l

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

* cp /etc/resolv.conf /test

10. Rename the test directory to testing

* mv /test /testing

11. Delete the testing directory

* rm –rf /testing

12. Change the permissions of guest directory to 775

* cd /student

chmod 775

13. Change the permissions of /tmp directory to 700

* cd /student/tmp

chmod 700

14. Login as root user

* su

15. Change the permissions of guest directory to 700

* cd /root/home/student

chmod 700

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 -v

17. Login as guest

* su student

18. Change directory to /

* cd ..

19. List the contents of /home directory

* ls -ld

20. Find the group to which guest belongs

* id

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 /sidbi

23. Find the inode number of file sidbi (hint: ls â€“li)

* ls -li

24. Copy the file sidbi to sidbi1

* cp /sidbi /sidbi1

25. Find the inode number of file sidbi1 (hint: ls â€“li)

* ls -li

26. Move the file sidbi to sidbi2

* mv /sidbi /sidbi2

27. Find the inode number of file sidbi2 (hint: ls â€“li)

* ls -li

28. Move sidbi2 to sidbi

* mv /sidbi2 /sidbi

29. Login as root

* su

30. Create a new user guest1 with same group as guest (hint: use GUI tool Applicationsïƒ System Settingsïƒ  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 Applicationsïƒ System Settingsïƒ  Users and Groups)

32. Find, what permissions should the file sidbi have, so that both guest1 and guest2 can write into this file.

* ls -li

chmod 770