**LINUX LAB- 1 ASSIGNMENT**

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1. Login as guest (password is guest123)

useradd guest

passwd guest

1. Find the present Directory

pwd

1. Write the / directory structure

ls

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

/bin(pwd, echo, cat, mkdir, kill, gzip)

/sbin(ifconfig, ip, mkfs)

1. Find the guest directory

find -name “guest”

1. Write the permissions of guest directory

ls -ld guest

drwxr-xr-x

1. Create a new Directory test in guest directory

cd guest

mkdir test

1. Write the permissions of test directory

ls –ld test

drwxrwxr-x

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

mv /etc/resolv.conf test **OR** sudo cp /etc/resolv.conf /home/guest/test/

1. Rename the test directory to testing

sudo mv /home/guest/test /home/guest/testing

1. Delete the testing directory

rm –r /home/guest/testing

1. Change the permissions of guest directory to 775

chmod 775 /home/guest

1. Change the permissions of /tmp directory to 700

chmod 700 /tmp

1. Login as root user

su root

1. Change the permissions of guest directory to 700

chmod 700 /home/guest

1. 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

3 is the kernel version

1. Login as guest

su guest

1. Change directory to /

cd /

1. List the contents of /home directory

ls /home/guest/raj

1. Find the group to which guest belongs

guest

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

cd /home

touch sidbi

1. Find the permissions of the file sidbi

ls -l

-rw-r--r—

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

147321

1. Copy the file sidbi to sidbi1

sudo cp sidbi sidbi1

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

147023

1. Move the file sidbi to sidbi2

mv sidbi sidbi2

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

147133

1. Move sidbi2 to sidbi

mv sidbi2 sidbi

1. Login as root

su root

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

Changing the read permission to read and write by giving permission 664