OS Lab Assignment 1

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2. Find the present Directory

Pwd

1. Write the structure of the directory

/home/guest

1. A few commands available in /bin and /sbin directory

/bin mkdir mv ls chmod /sbin init initctl shutdown shadowconfig

1. Find the guest directory

echo $HOME

1. Permissions of the guest directory

drwxr-xr-x 2 guest guest 4096 Jan 16 15:39

.

1. New test directory in guest directory

mkdir test

1. Permissions of test directory

drwxr-xr-x 2 guest guest 4096 Jan 16 15:39 .

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

cd /etc

cp resolv.conf /home/guest/test

1. Rename the test directory to testing

mv test testing

1. Delete the testing directory

rmdir testing ( For this, empty the testing directory first, a directory cant be removed if it has files in it)

1. Change permissions of the guest directory

chmod 775 /home/guest

1. Change permission of the /tmp directory

Operation not permitted as I was logged in as guest at that time

1. Login as root user

su saumya , to become root sudo –s

1. Change permissions of guest directory

chmod 700 guest

1. Kernel version

unname -a , to know the kernel version. It is 3.2.0-29-generic

1. Login as guest

su guest

1. Change the directory to /

cd .. to /guest then again cd ..

1. Contents of the home directory

cd home ls → guest saumya

1. Group to which gyest belongs

ls -l

drwx------ 2 guest guest 4096 Jan 16 16:12 guest

Group guest

1. Create a file sidbi in the home area of guest

cd guest/

touch sidbi

1. Permissions for sidbi

Permissions for sidbi → ls -l

-rw-r--r—

1. Inode number of sidbi

ls -li

671037 -rw-rw-r-- 1 guest guest 0 Jan 16 16:55 sidbi

1. Copy file sidbi to sidbi1

cp sidbi sidbi1

1. Inode number of sidbi1

ls -li → 671039 -rw-rw-r-- 1 guest guest 0 Jan 16 16:59 sidb1

1. Move sidbi1 to sidbi2

mv sidbi sidbi2

1. Inode number of sidbi2

ls -li → 671037 -rw-rw-r-- 1 guest guest 0 Jan 16 16:55 sidbi2

1. Move sidbi2 to sidbi1

mv sidbi2 sidbi

1. Login as root

sudo saumya

sudo -s

30,31 done using GUI.

32 The file sidbi should haver permissions as 664 so that both guest1 and guest2 can write into the file.