**DARPAN PATEL**

**121008**

**LAB ASSIGNMENT-01**

1. **Login as guest (password is guest123)**

**Ans.** Type in the terminal :- sudo -i -u guest-v8peUb , It will ask for password, which we need to give guest123.

1. **Find the present Directory**

**Ans.** Command for knowing current working directory is- "pwd".

1. **Write the / directory structure**

**Ans. /** directory structure :- "sudo apt-get install tree"

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

**Ans.**  /bin command :- dir, chmod, echo, ip, kill

/sbin command:- mkfs, tc, iwlist

1. **Find the guest directory**

**Ans.** /tmp/guest-v8peUb

1. **Write the permissions of guest directory**

**Ans.** "ls -l" command shows permission

*drwxr-xr-x 2 guest-v8peUb guest-v8peUb 40 Jan 21 23:29 desktop*

*drwxr-xr-x 2 guest-v8peUb guest-v8peUb 40 Jan 21 23:29 documents*

*drwxr-xr-x 2 guest-v8peUb guest-v8peUb 40 Jan 21 23:29 downloads*

1. **Create a new Directory test in guest directory**

**Ans.** "mkdir" command makes directory

mkdir test - directory named test is created

1. **Write the permissions of test directory**

**Ans.** drwxr-xr-x 2

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

**Ans.** "cp" command is used to copy

cp **/**etc/resolv.conf test

1. **Rename the test directory to testing**

**Ans.** mv test testing

1. **Delete the testing directory**

**Ans.** rm testing

1. **Change the permissions of guest directory to 775**

**Ans.** chmod 775 guest-v8peUb

1. **Change the permissions of /tmp directory to 700**

**Ans.** cd ..

chmod 700 tmp

1. **Login as root user**

**Ans.** sudo passwd root@123$ (when first time creating password)

su root

1. **Change the permissions of guest directory to 700**

**Ans.** chmod 700 guest-nqH2DB

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.**

**Ans.** uname -v

#57-Ubuntu SMP Tue Jul 15 03:51:08 UTC 2014

1. **Login as guest**

**Ans.** sudo -i -u guest-v8peUb

1. **Change directory to /**

**Ans.** cd/

1. **List the contents of /home directory**

**Ans.**  ls

ls -a (if something is hidden)

1. **Find the group to which guest belongs**

**Ans.** id guest-v8peUb

uid=116(guest-v8peUb) gid=125(guest-v8peUb) groups=125(guest-v8peUb)

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

**Ans.** touch sidbi

1. **Find the permissions of the file sidbi**

**Ans.** ls -l

-rw-r--r-- 1 guest-v8peUb guest-v8peUb 0 Jan 22 01:41 sibdi

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

**Ans.** 166235

1. **Copy the file sidbi to sidbi1**

**Ans.** cp sidbi sidbi1

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

**Ans.** 164715

1. **Move the file sidbi to sidbi2**

**Ans.** mv sidbi sidbi2

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

**Ans.** 166235

1. **Move sidbi2 to sidbi**

**Ans.** mv sidbi2 sidbi

1. **Login as root**

**Ans.** su root

1. **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]**

**Ans.** 777