1. **Find the count of nologin information from the /etc/passwd.**

grep -c nologin passwd: displays the word count.

1. **List of all user names from /etc/passwd using the cut command**

cut  -d: -f1 /etc/passwd : gives the list of usernames

1. **Same as above but sort the results in reverse sorted order**

Sort 7.txt : sorts the names in the reverse order

1. **Merge corresponding or subsequent lines of files.**

paste -s 7.txt :merges the subsequent lines of files

1. **How many types of shells are there in your system. (Use /etc/passwd information)**

cat /etc/shells: finds the number of shells in the system.

1. **Copy password file to your home directory without using the name of the home directory**

cp etc/passwd /home/aishu/Desktop

1. **How to find the present working directory**

pwd - is used to find the present working directory

1. **Navigate to the home directory and List all the files in the home directory.**

cd /home/ : redirects to the home directory

ls: is used to list all the files in the directory

1. **Find out the meaning of the first column from the previous output.**
2. **Observe the output and there are some files that have been listed in green color and understand the meaning of it.**

In my terminal, files are displayed in blue color.

1. **Change the permissions of the file passwd that has been copied in the home folder.**

              chmod 754 passwd - permissions are changed

1. **Create a user for your friend and be careful about giving permissions**

sudo useradd Aditya : adds the user Aditya

1. **Change the password of the newly created user.**

sudo passwd Aditya - allows to set password for the user.

1. **Now ask your friend to login to his account from his machine.**
2. **Restart your system from the command line.**

Reboot: restarts the system

1. **Install the server on your machine for the users to login**

1. **Ask your friend to create a file in your machine.**

1. **Now, you have to block your friend to create files on your machine**