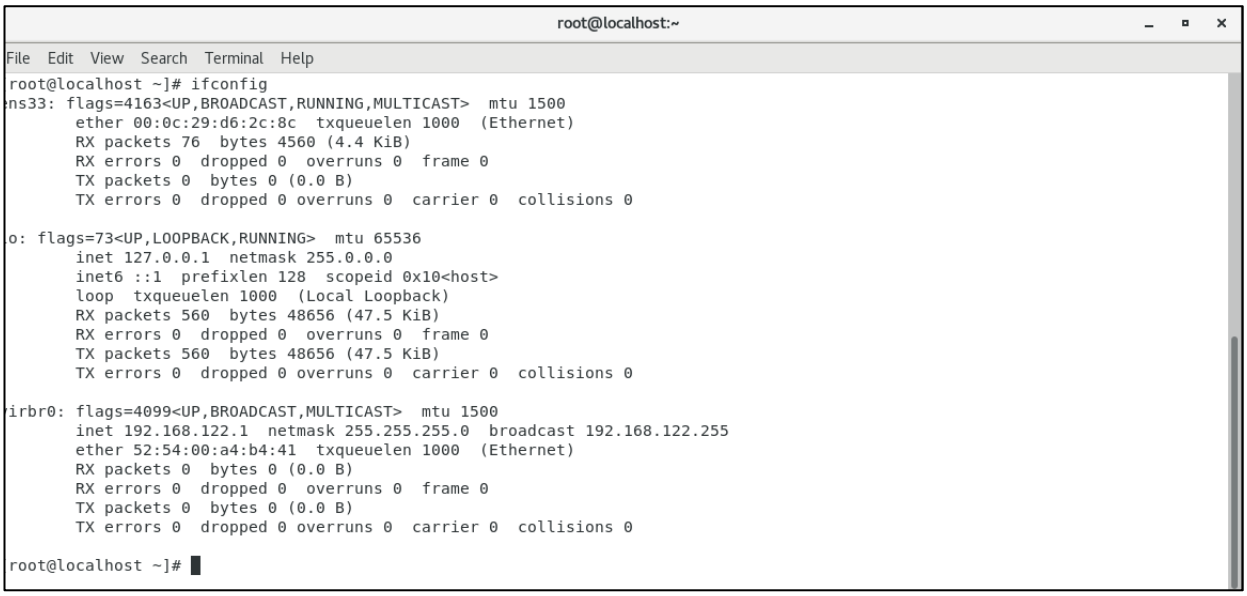
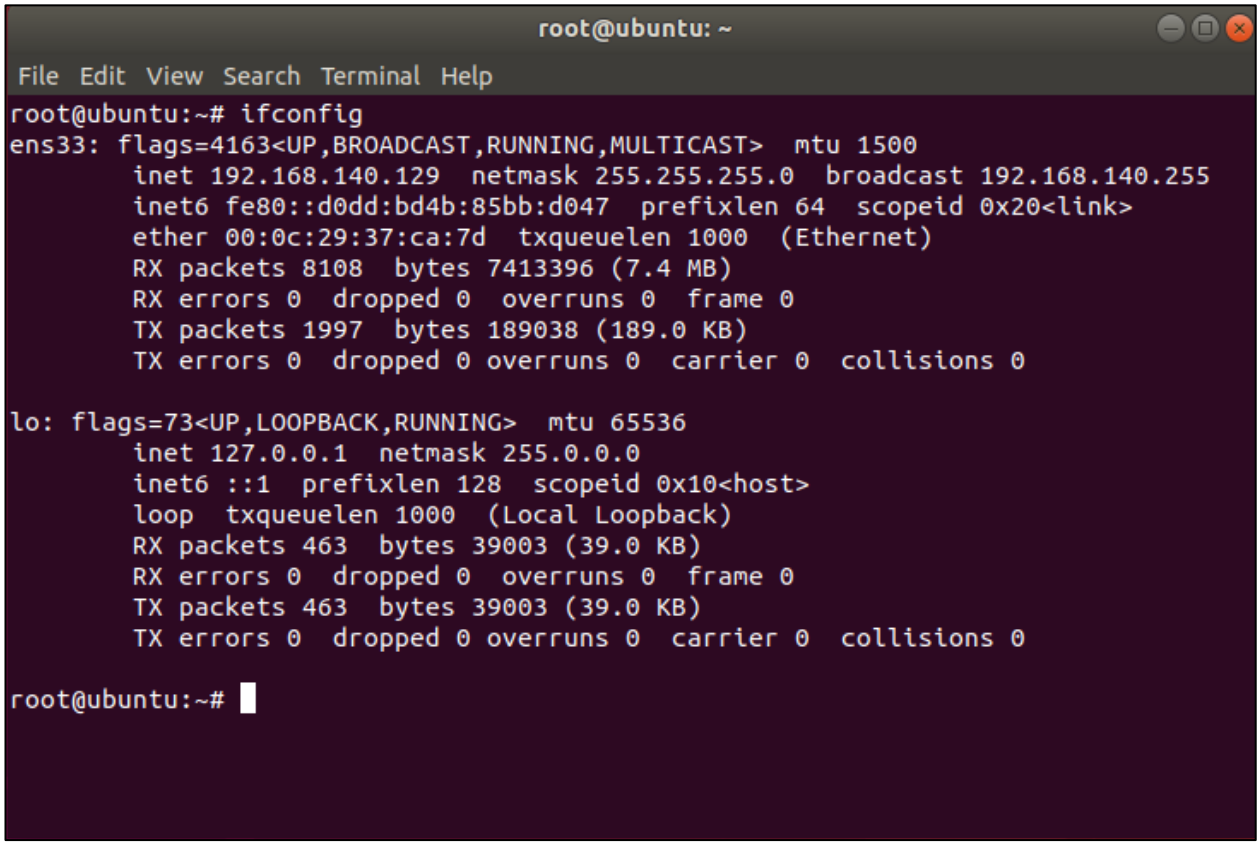
Assignment DAY 1 & DAY 2

1.Create a Centos7 and Ubunt 18 machine

1.centos 7 ifconfig



2.Ubuntu 18 ifconfig



2. Create two users user1 and user2

[root@localhost ~]# useradd user1
[root@localhost ~]# passwd user1
Changing password for user user1.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost ~]# useradd user2
[root@localhost ~]# passwd user2
Changing password for user user2.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost ~]# cat /etc/passwd| grep /bin/bash
root:x:0:0:root:/root:/bin/bash
nishbans:x:1000:1000:Nishtha Bansal:/home/nishbans:/bin/bash
user1:x:1001:1001::/home/user1:/bin/bash
user2:x:1002:1002::/home/user2:/bin/bash

3. Make user1 as super user with ALL commands access.

[root@localhost ~]# visudo
[root@localhost ~]# cat /etc/sudoers| grep user1
user1 ALL=(ALL) ALL

4. Login as user1 and create user3.

Since we have already made user1 as a superuser, then
[user1@localhost ~]$ sudo useradd user3
[sudo] password for user1:
[user1@localhost ~]$ sudo passwd user3
Changing password for user user3.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[user1@localhost ~]$ cat /etc/passwd|grep user3
user3:x:1003:1003::/home/user3:/bin/bash

5. As root user create a file named 'testfile' under home of user3.

[root@localhost ~]# touch /home/user3/testfile
[root@localhost ~]# cd /home/user3
[root@localhost user3]# ls
testfile

6. List the permissions of that file.

After creating a test file as shown in 4,
[root@localhost user3]# ls -l

total 0
-rw-r--r--. 1 root root 0 Oct 14 08:18 testfile

7. Change the permissions of this file 'testfile' to 647

[root@localhost user3]# stat -c"%a" testfile
644
[root@localhost user3]# chmod 647 testfile
[root@localhost user3]# stat -c"%a" testfile
647

8. Login as user3 and type 'hello world' in the testfile. Is it possible?

[user1@localhost ~]$ su - user3
Password:
Last failed login: Wed Oct 14 08:11:06 EDT 2020 on pts/0
[user3@localhost ~]$ echo "hello world">testfile
[user3@localhost ~]$ cat testfile
hello world

9. List the shell you are using right now using a command.

[user3@localhost ~]$ echo $SHELL
/bin/bash

10. List the runlevel you are working in right now using a command.

[user3@localhost ~]$ runlevel
N 5

11. List the runlevel you are working in right now using a command.

[root@localhost ~]# useradd testuser
[root@localhost ~]# passwd testuser
Changing password for user testuser.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost ~]# usermod --shell nologin testuser
[root@localhost ~]# cat /etc/passwd| grep testuser
testuser:x:1004:1004::/home/testuser:nologin
[root@localhost ~]# su - testuser
Last login: Wed Oct 14 08:55:45 EDT 2020 on pts/0
su: failed to execute nologin: No such file or directory