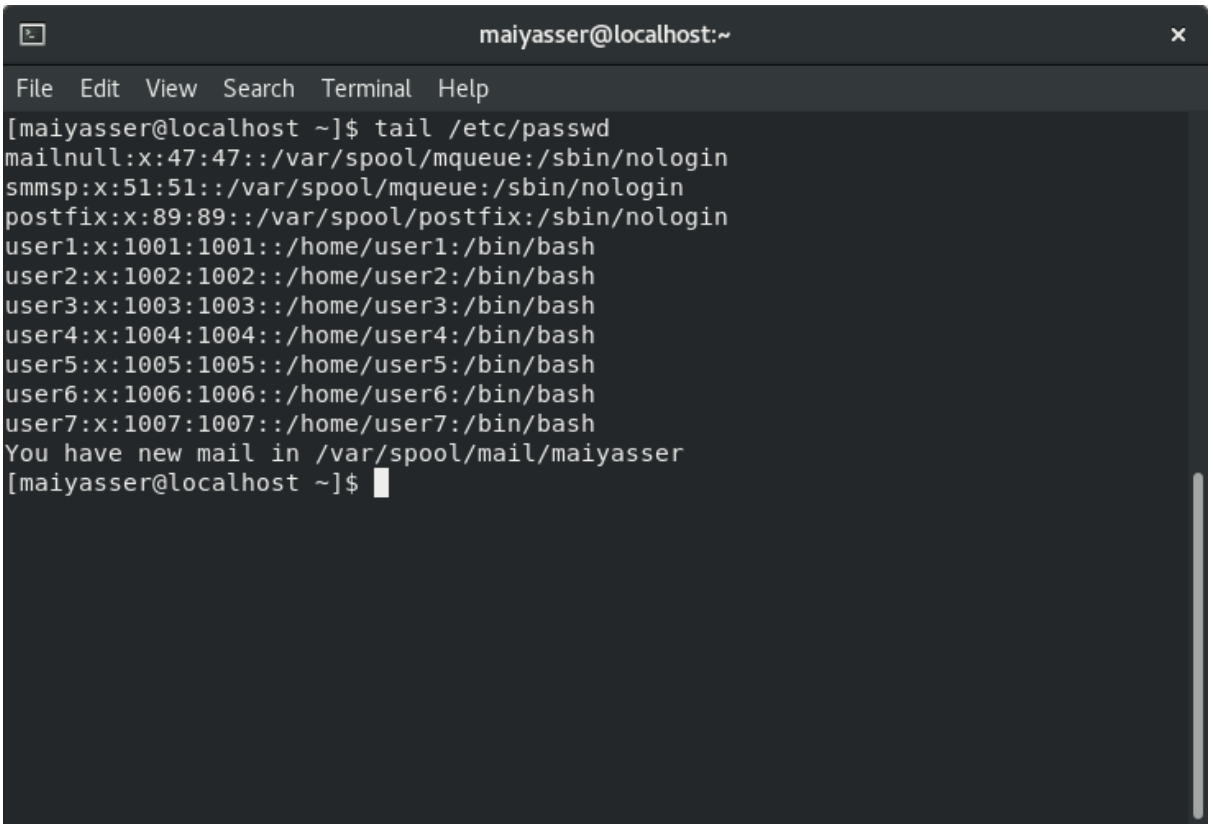
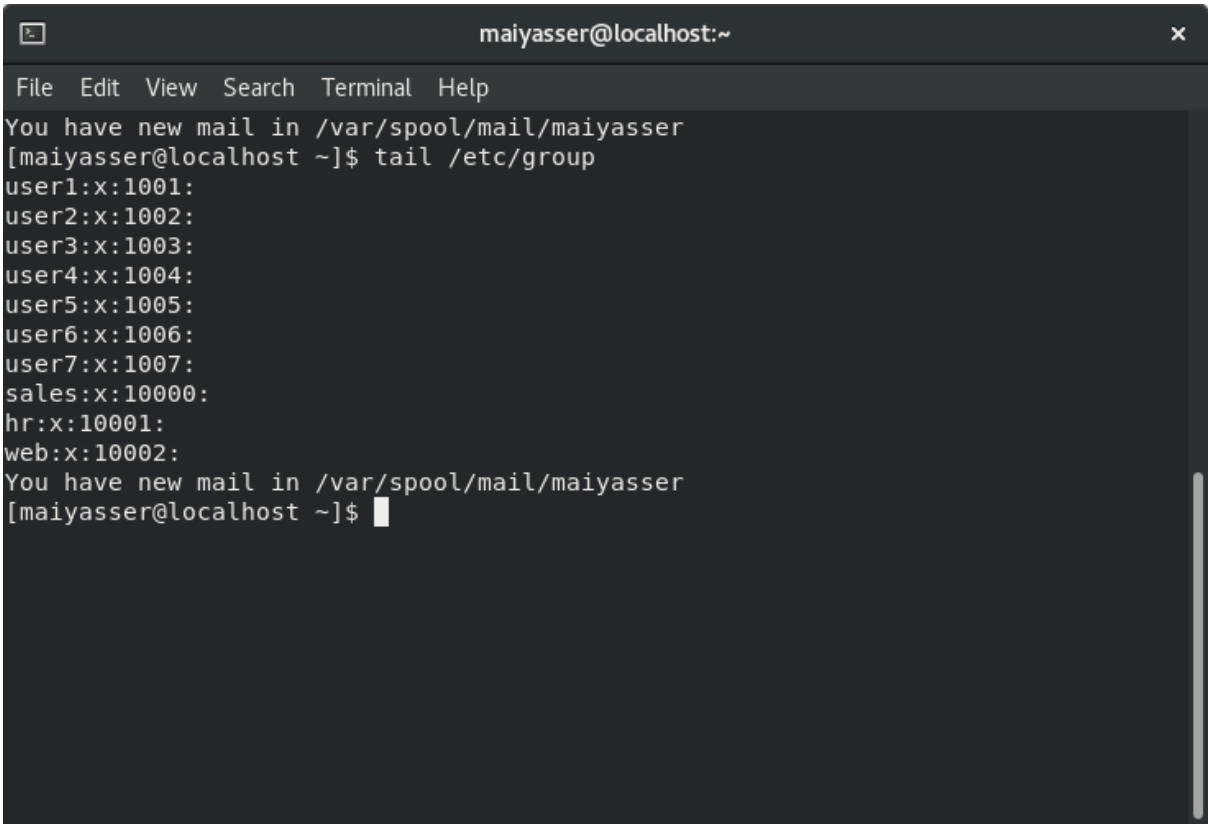
1. Using the useradd command, add accounts for the following users in your system: user1, user2,
user3, user4, user5, user6 and user7. Remember to give each user a password.



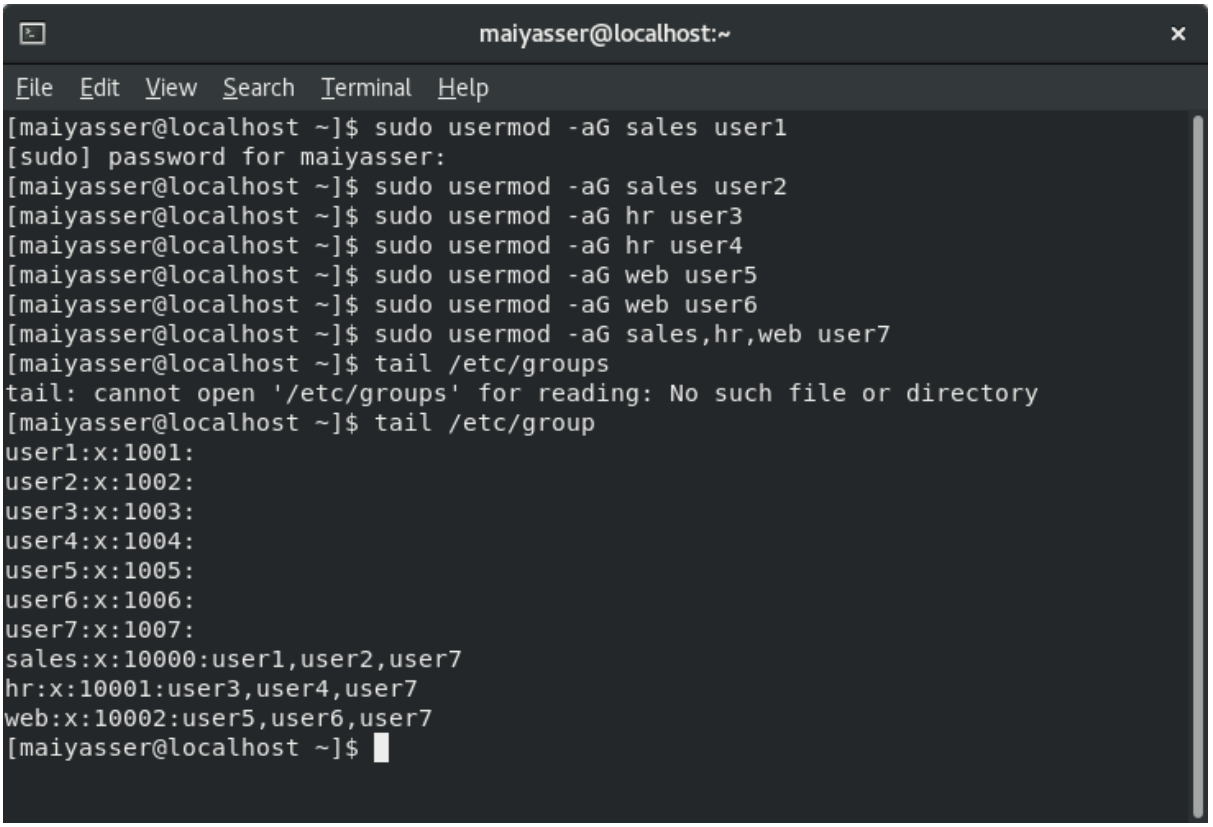
2. Using the groupadd command, add the following groups to your system.

Group GID
sales 10000
hr 10001
web 10002

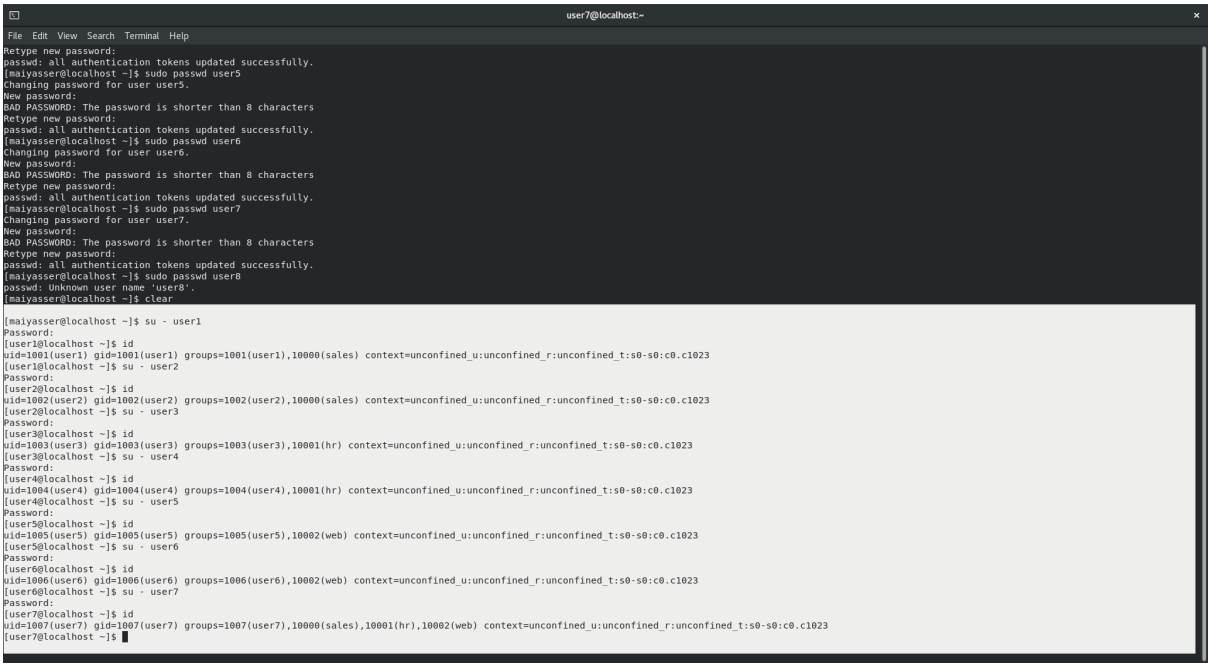


Why should you set GID in this manner instead of allowing the system to set the GID by default?
The system will increment number

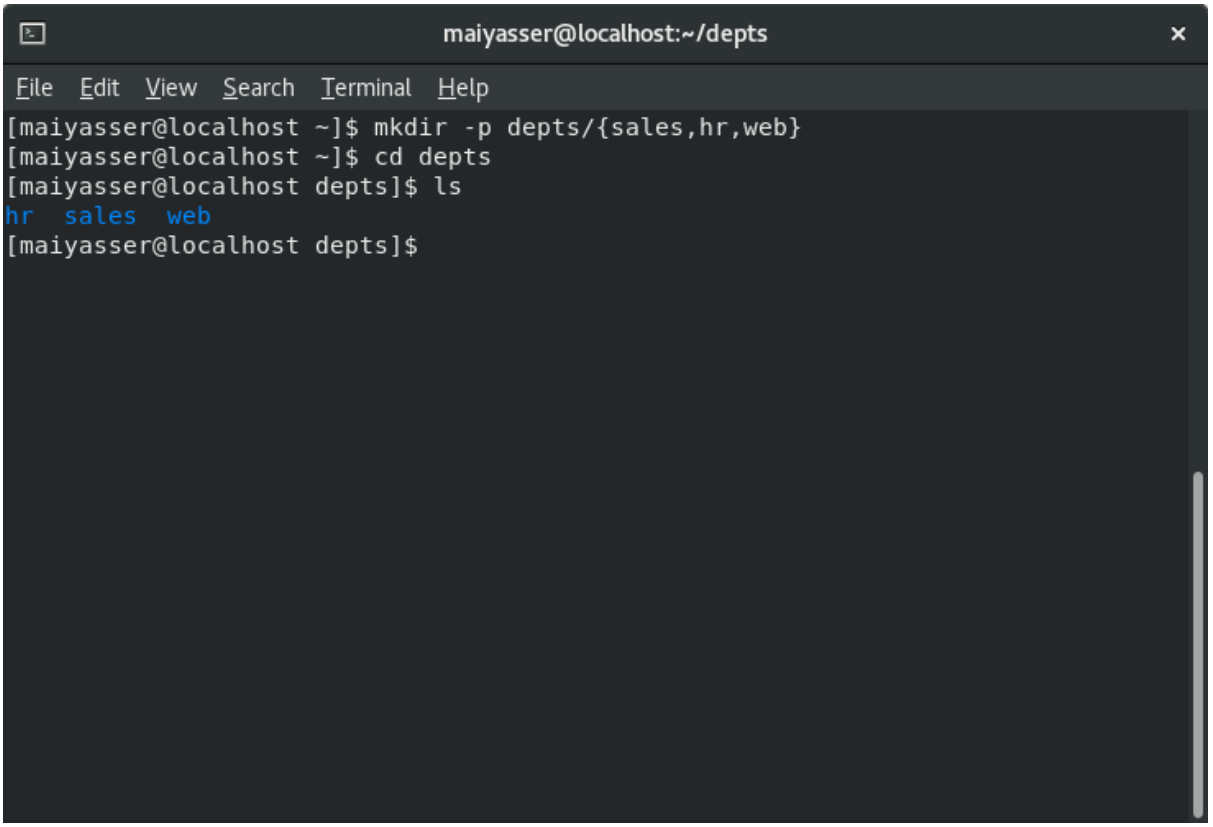
3. Using the usermod command to add user1 and user2 to the sales auxiliary group, user3 and user4
to the hr auxiliary group. User5 and user6 to web auxiliary group. And add user7 to all auxiliary
Groups



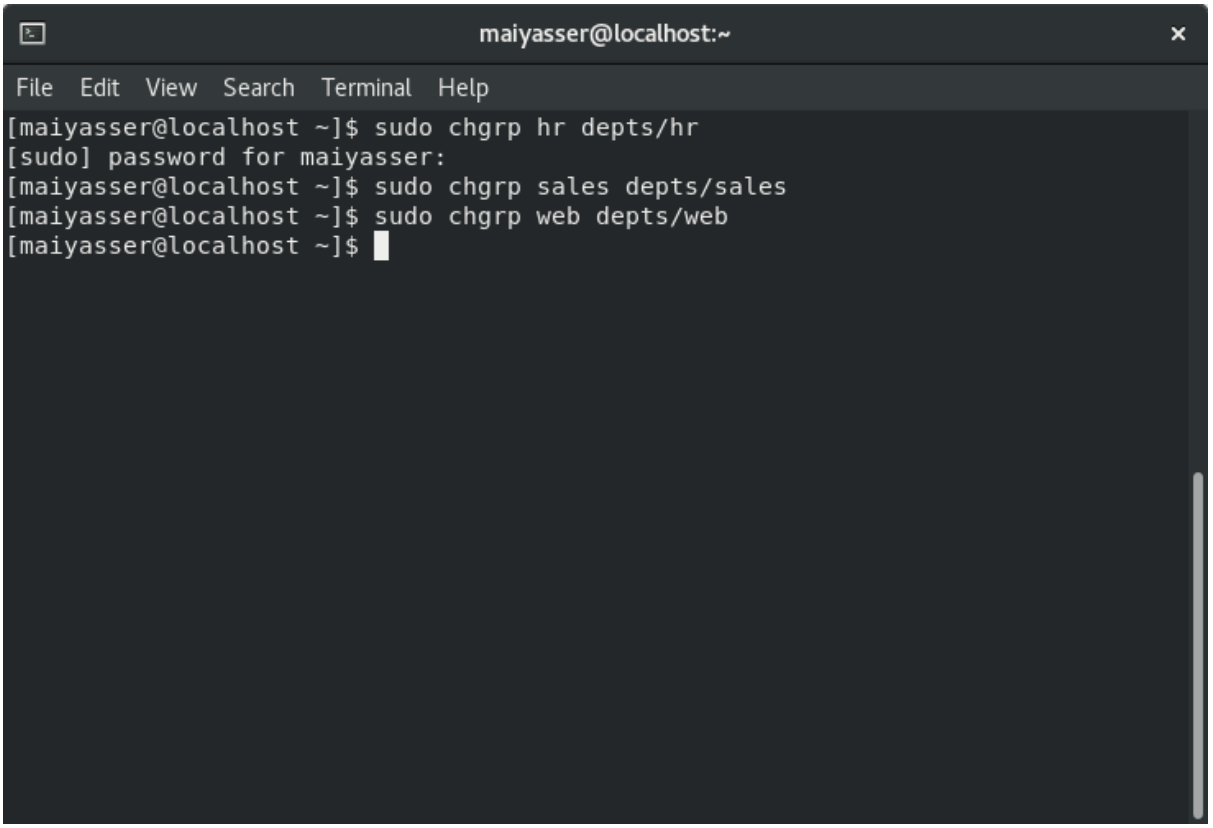
4. Login as each user and use id command to verify that they are in the appropriate groups. How else might you verify this information?



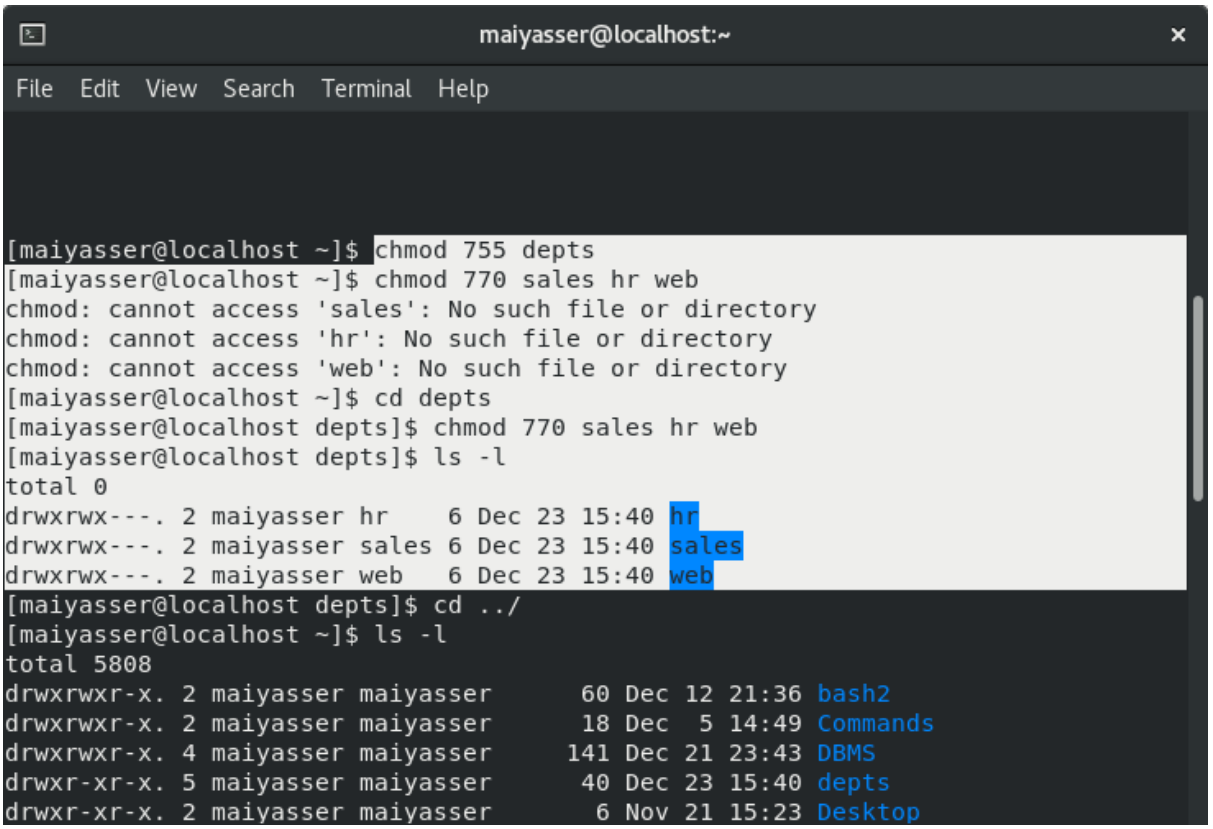
5. Create a directory called /depts with a sales, hr, and web directory within the /depts directory.



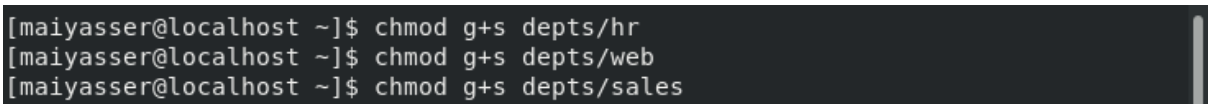
6. Using the chgrp command, set the group ownership of each directory to the group with the matching name



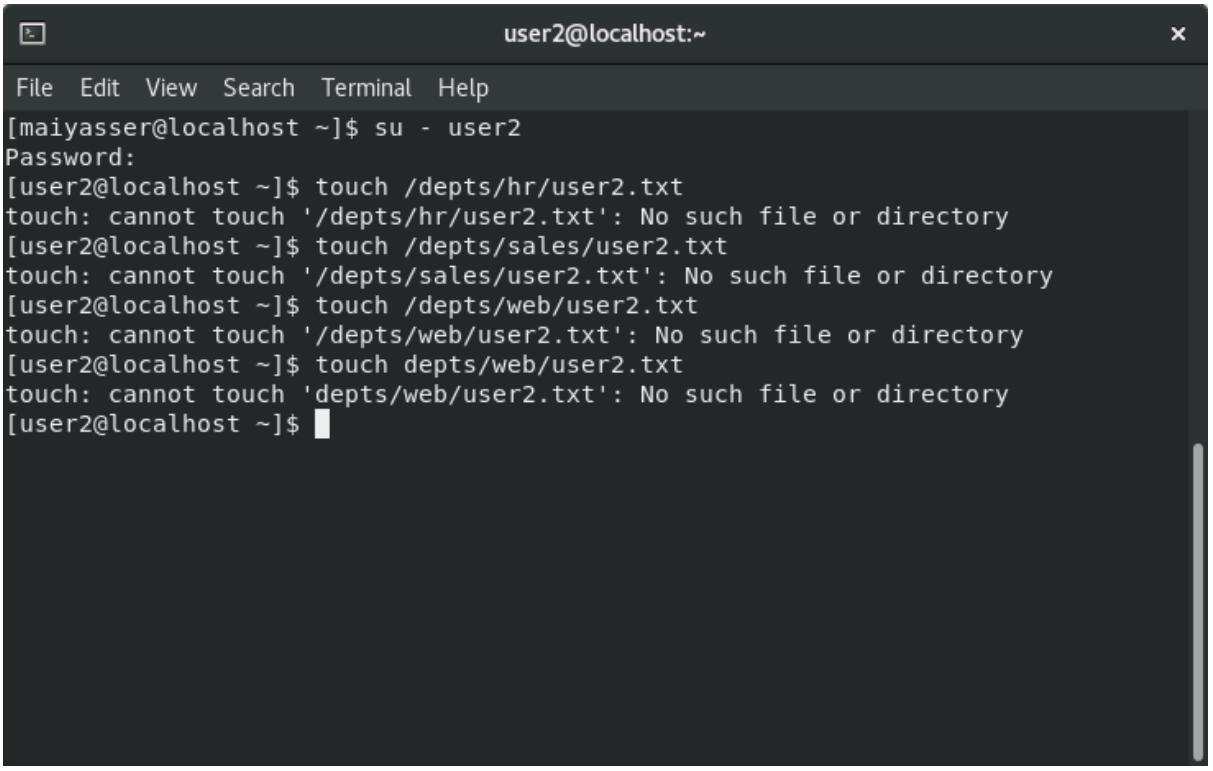
7. Set the permissions on the /depts directory to 755, and each subdirectory to 770



8. Set the set-gid bit on each departmental directory



9. Use the su command to switch to the user2 account and attempt the following commands:
touch /depts/sales/user2.txt
touch /depts/hr/ user2.txt
touch /depts/web/ user2.txt
Which of these commands succeeded and which failed? What is the group ownership of the files that were created?



All failed because user2 doesn't have the ownership of the directory depts.

10. Configure sudoers file to allow user3 and user4 to use /bin/mount and /bin/umount commands, while allowing user5 only to use fdisk command.

1- sudo visudo
2- user3 ALL=(ALL) !ALL, /bin/mount, /bin/unmount
3- user4 ALL=(ALL) !ALL, /bin/mount, /bin/unmount
4- user5 ALL=(ALL) !ALL, /sbin/fdisk

11. Login by user3 and try to unmount /boot.

su - user3
sudo unmount /dev/boot

12. Login by user4 and remount /boot. Also try to view the partition table using fdisk.

su - user4
fdisk /dev/boot

13. Create a directory with permissions rwxrwx---, grant a second group (sales) r-x permissions

mkdir dir1

chmod 770 dir1

chmod 555 depts/sales

14. create a file on that directory and grant read and write to a second group (sales)