Austin Cupp

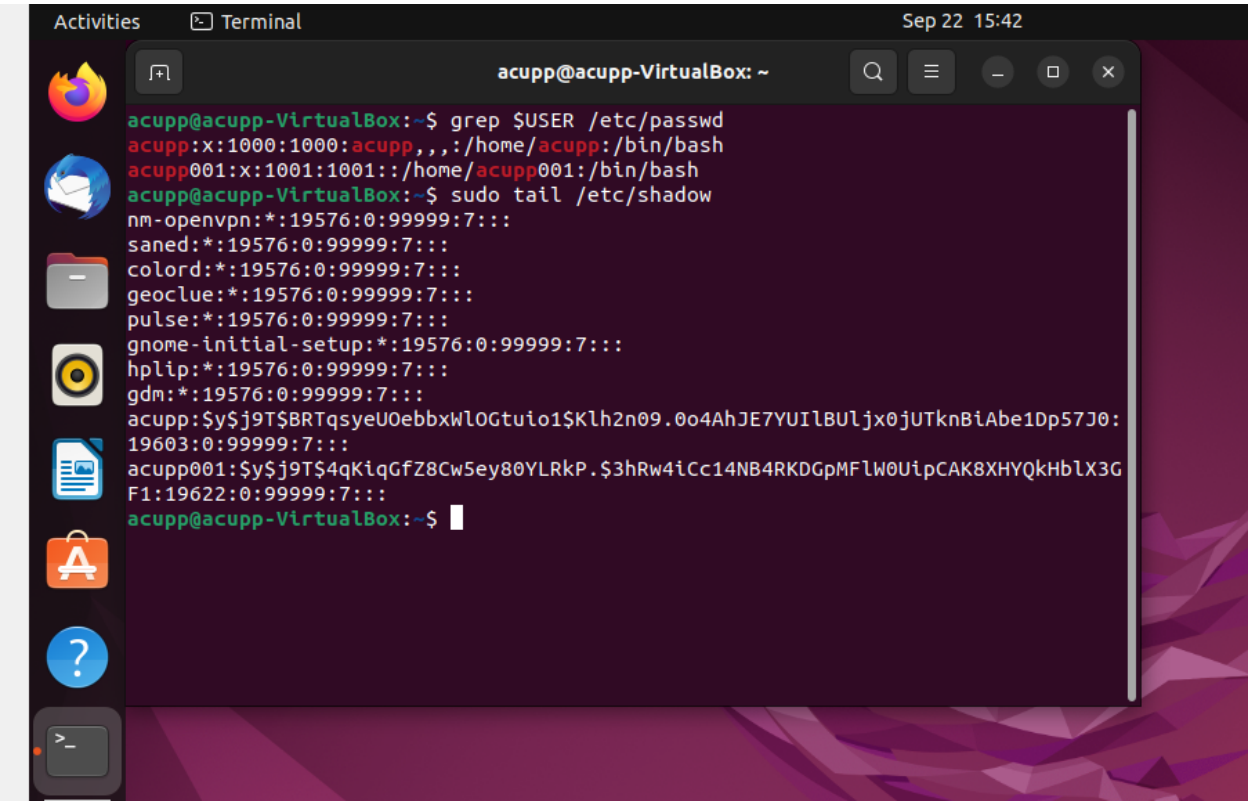
Professor Vatsa

Cyse 270

9/22/2023

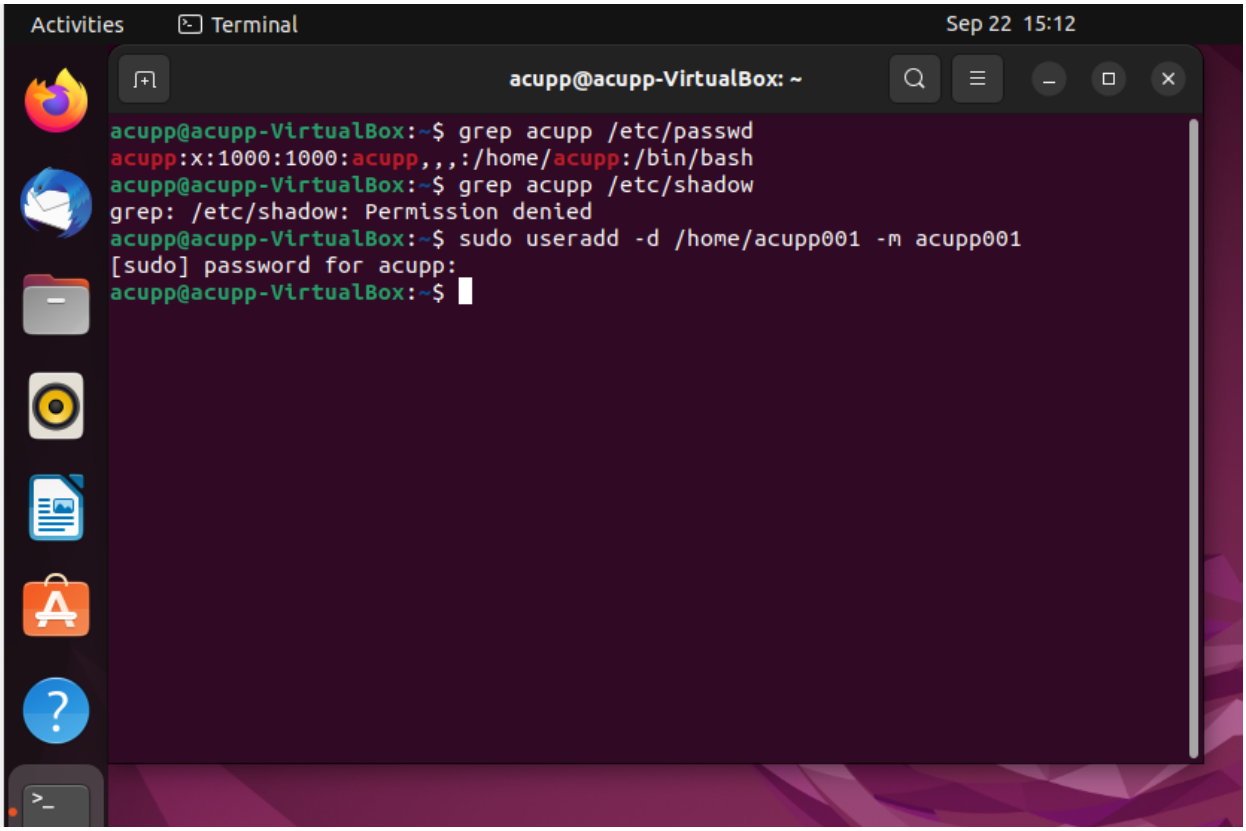
Assignment #4

TASK A



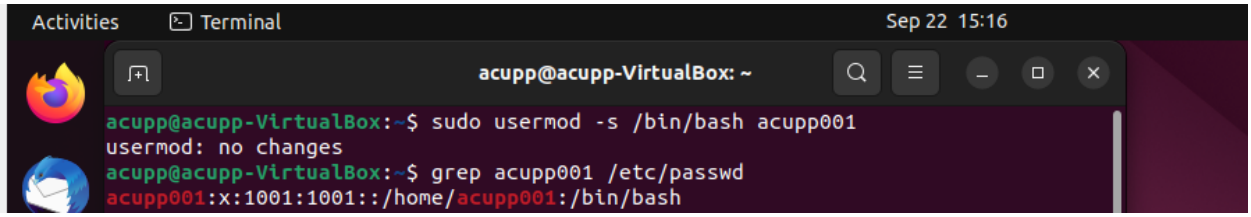
Step 1: Used grep $USER /etc/passwd command to display user account information (including the login shell and home directory)

Step 2: The grep command was giving me a permission denied error, so I had to use sudo tail /etc/shadow command to display user password information (including the encrypted password and password aging) for the current user.

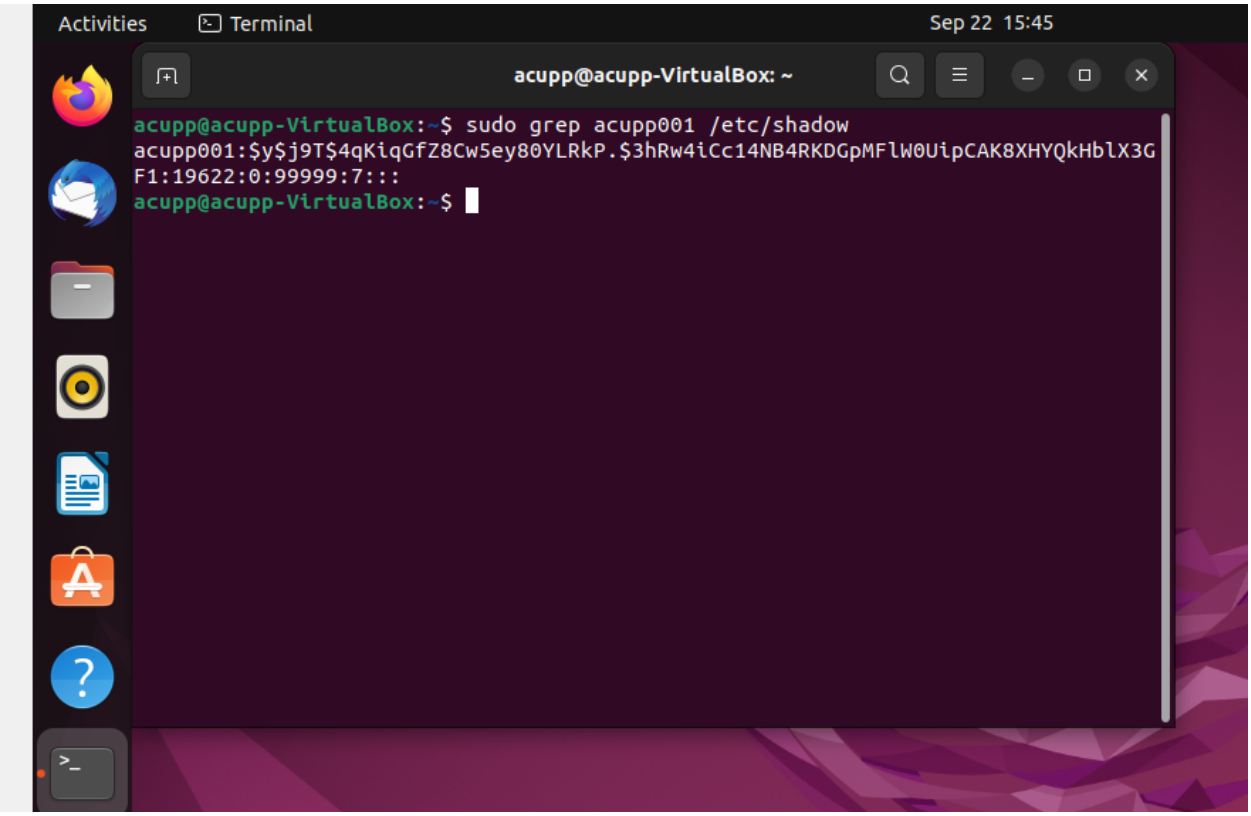


Step 3: used sudo useradd -d /home/acupp001 -m acupp001 command to create a new user named acupp001 and explicitly use options to create the home directory.

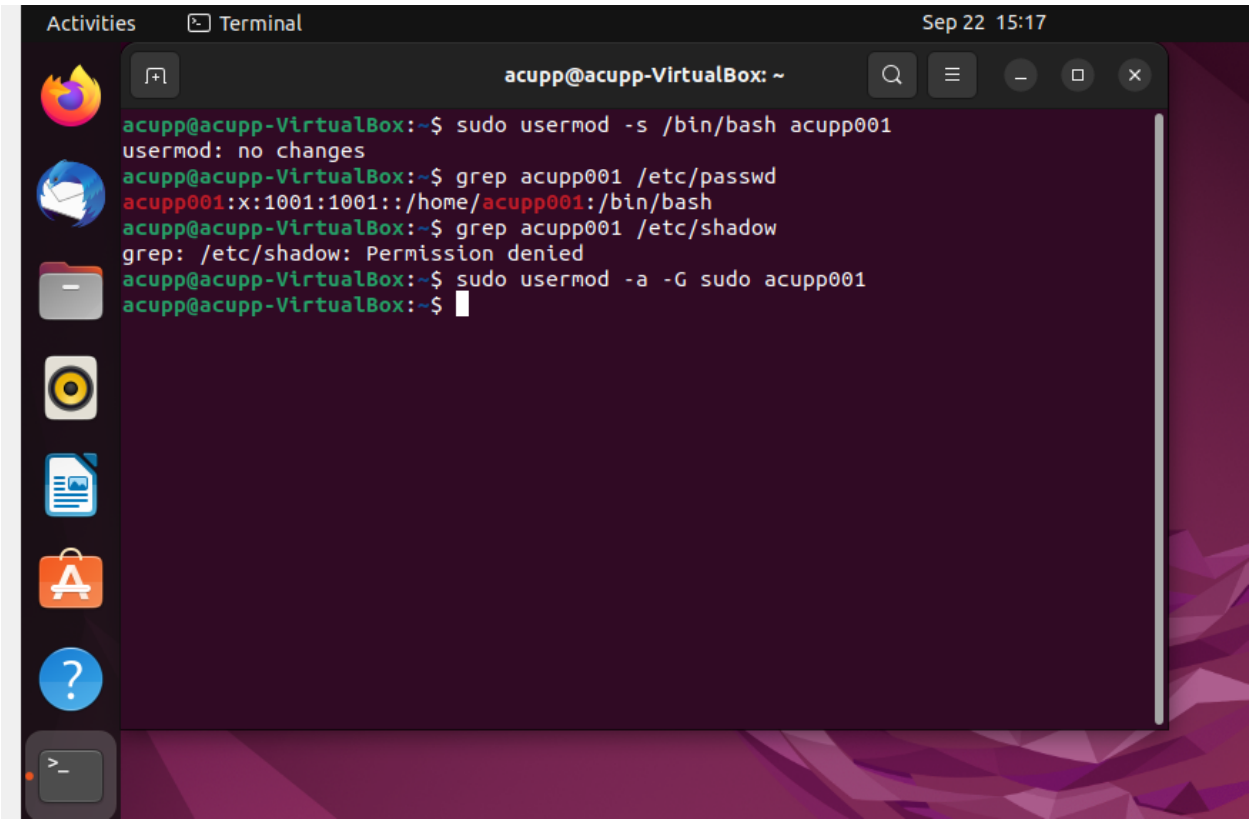
Step 4: password set as lovelov3



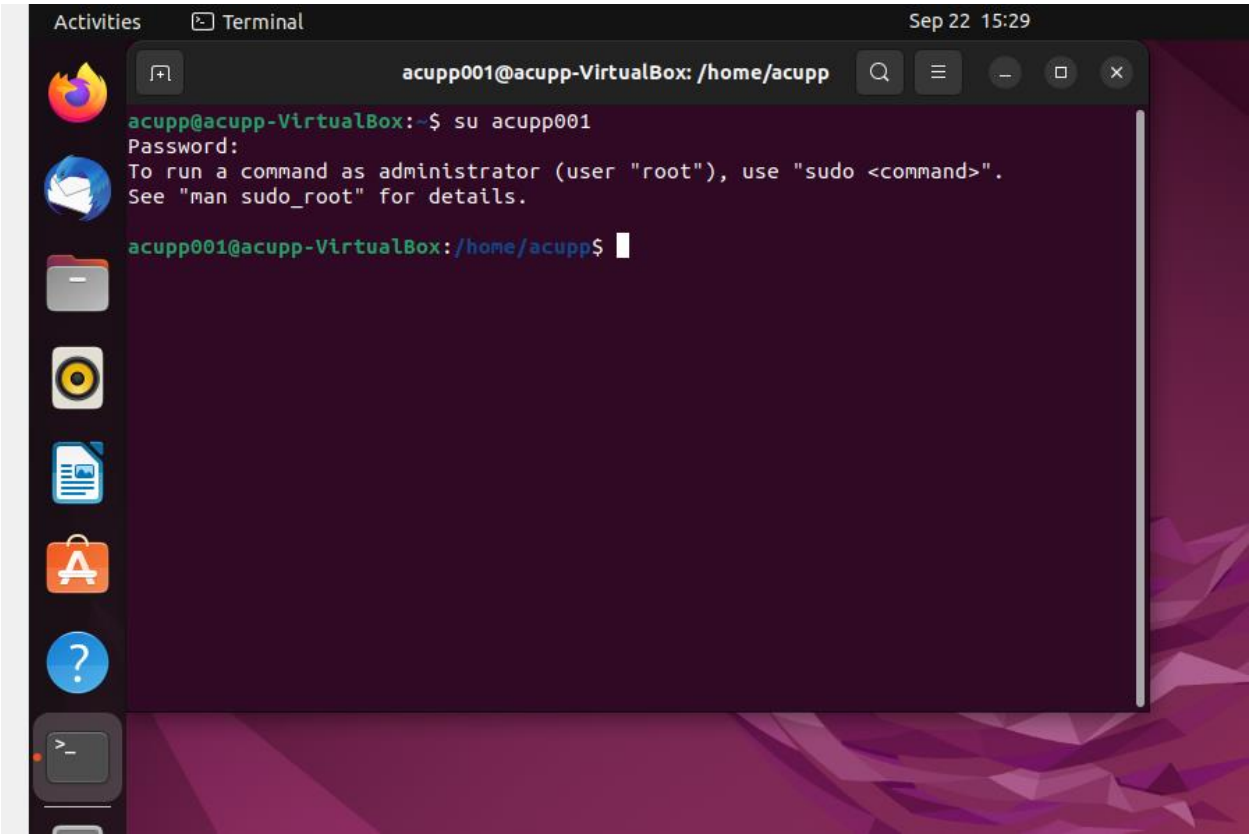
Step 5: used sudo usermod -s /bin/bash acupp001 command to set bash shell as the default login shell for the new user xxxxx, then verified the change by using grep.



Step 6: Used sudo grep acupp001 /etc/shadow command to display user password information (including the encrypted password and password aging) for the new user acupp001 using grep.

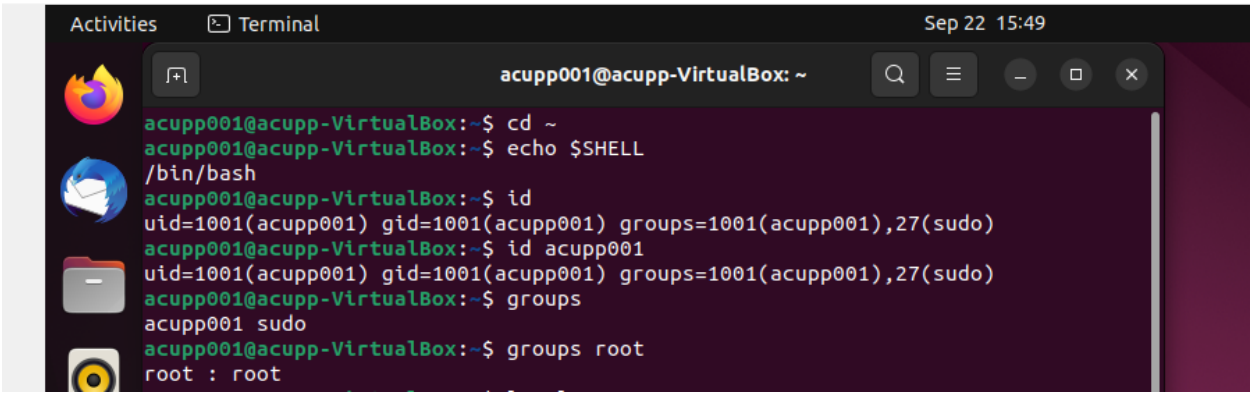


Step 7: used sudo usermod -a -G sudo acupp001 command to add the new user acupp001 to sudo group without overriding the existing group membership.



Step 8: Used the su acupp001 command to switch to the new users account, password is lovelov3.

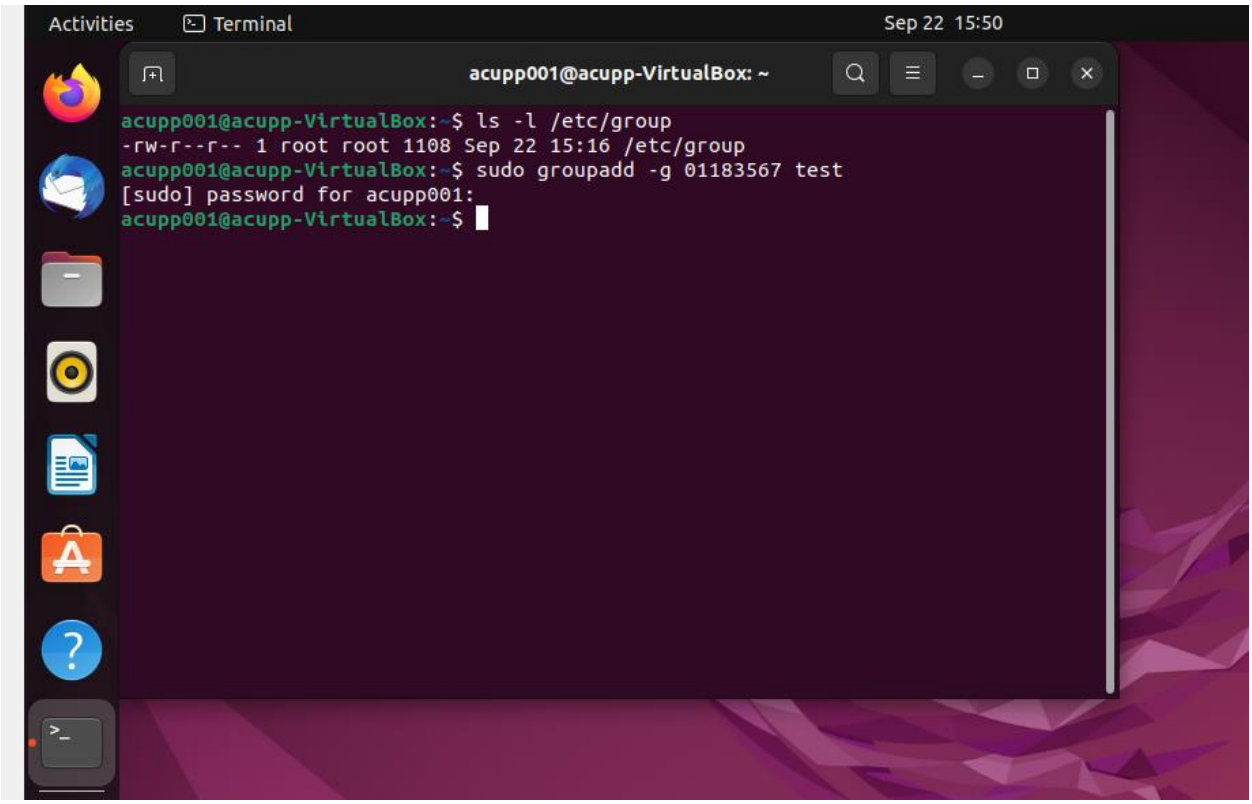
TASK B



Step 1: Changed back into the home directory and used echo $SHELL to determine shell I'm using.

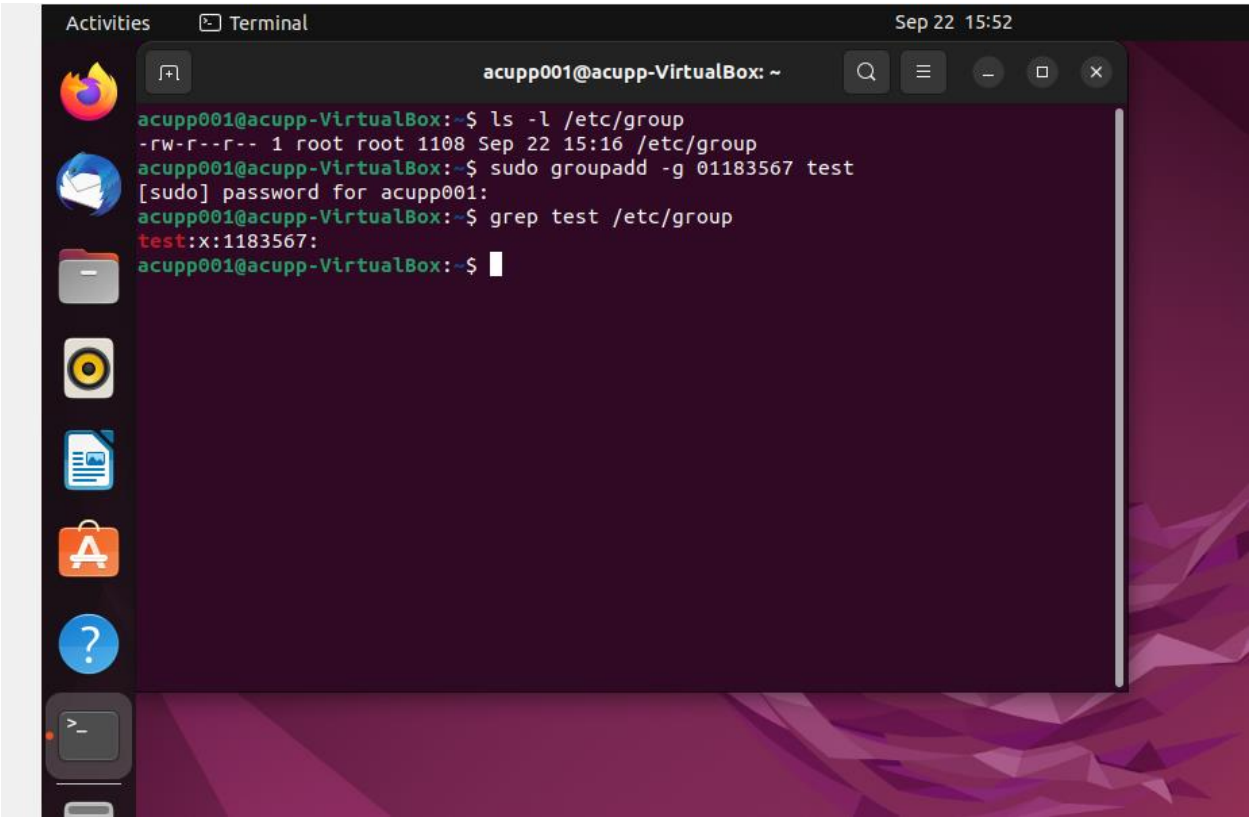
Step 2: Used id to display the current user's ID and group membership.

Step 3: Used groups command to display the group membership of the root account.

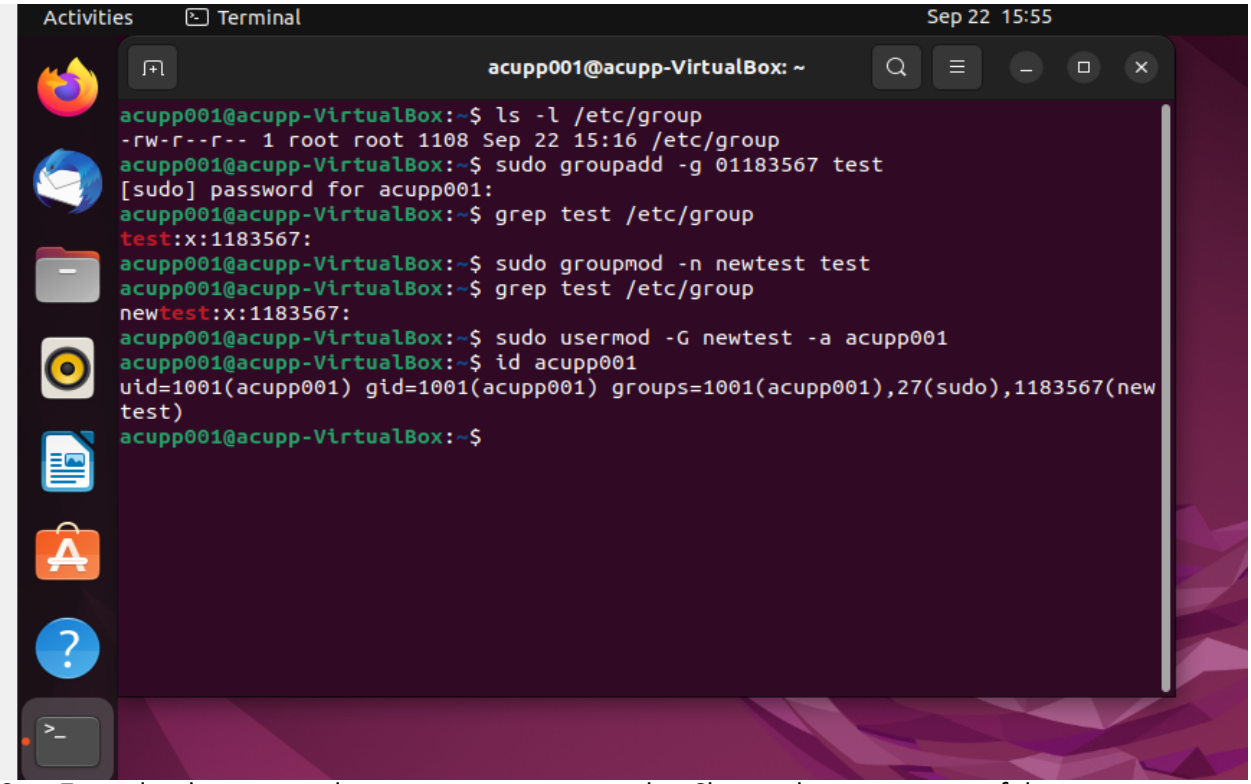


Step 4: Used ls -l /etc/group command to determine the user owner and group owner of the /etc/group file.

Step 5: used sudo groupadd -g 01183567 test command to create a new group named test and use your UIN as the GID. Password lovelov3

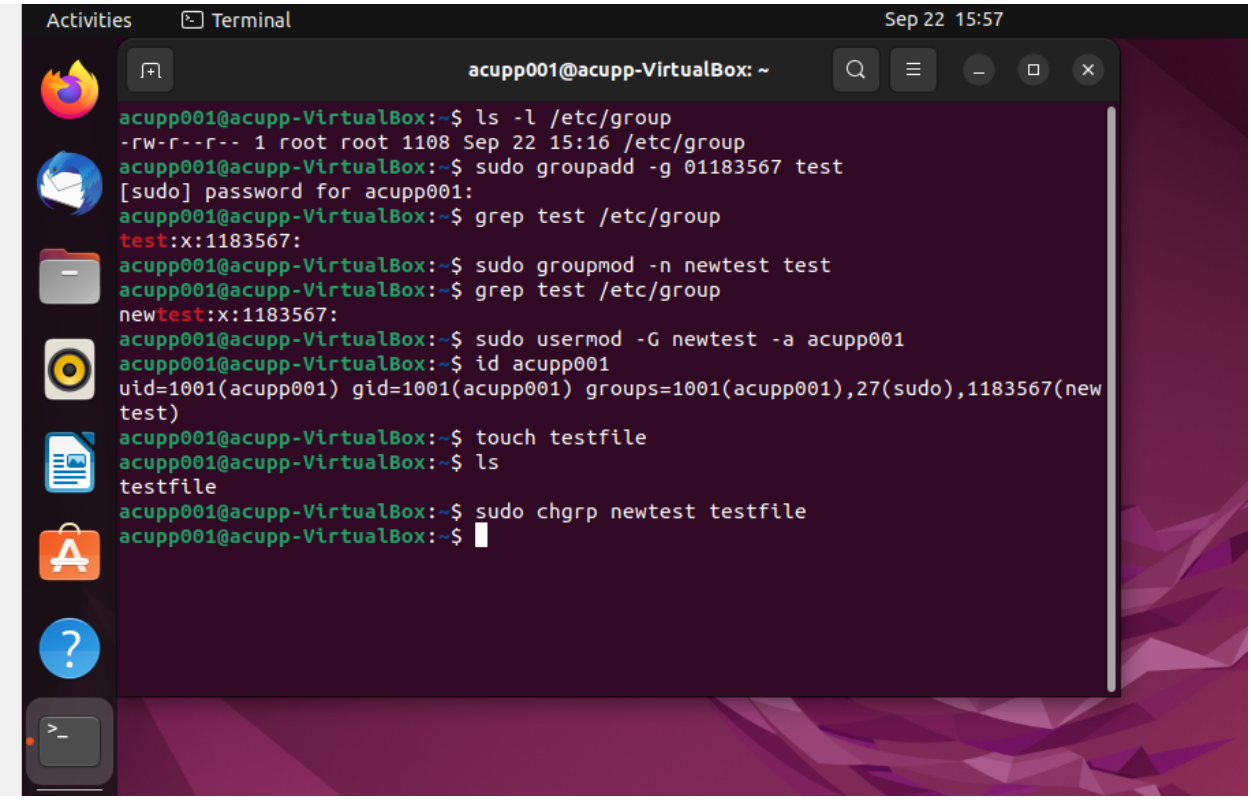


Step 6: used grep test /etc/group command to display the group account information for the test group.

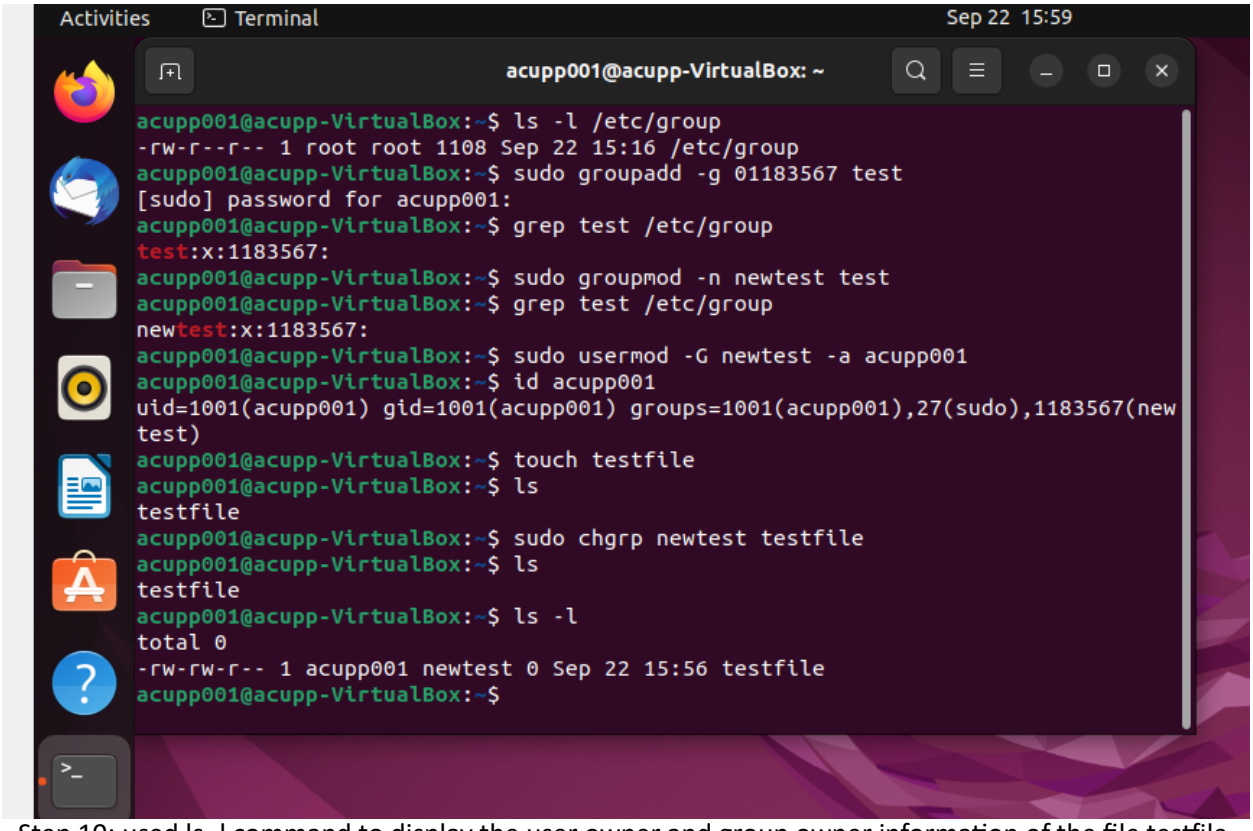


Step 7: used sudo groupmod -n newtest test command to Change the group name of the test group to newtest.

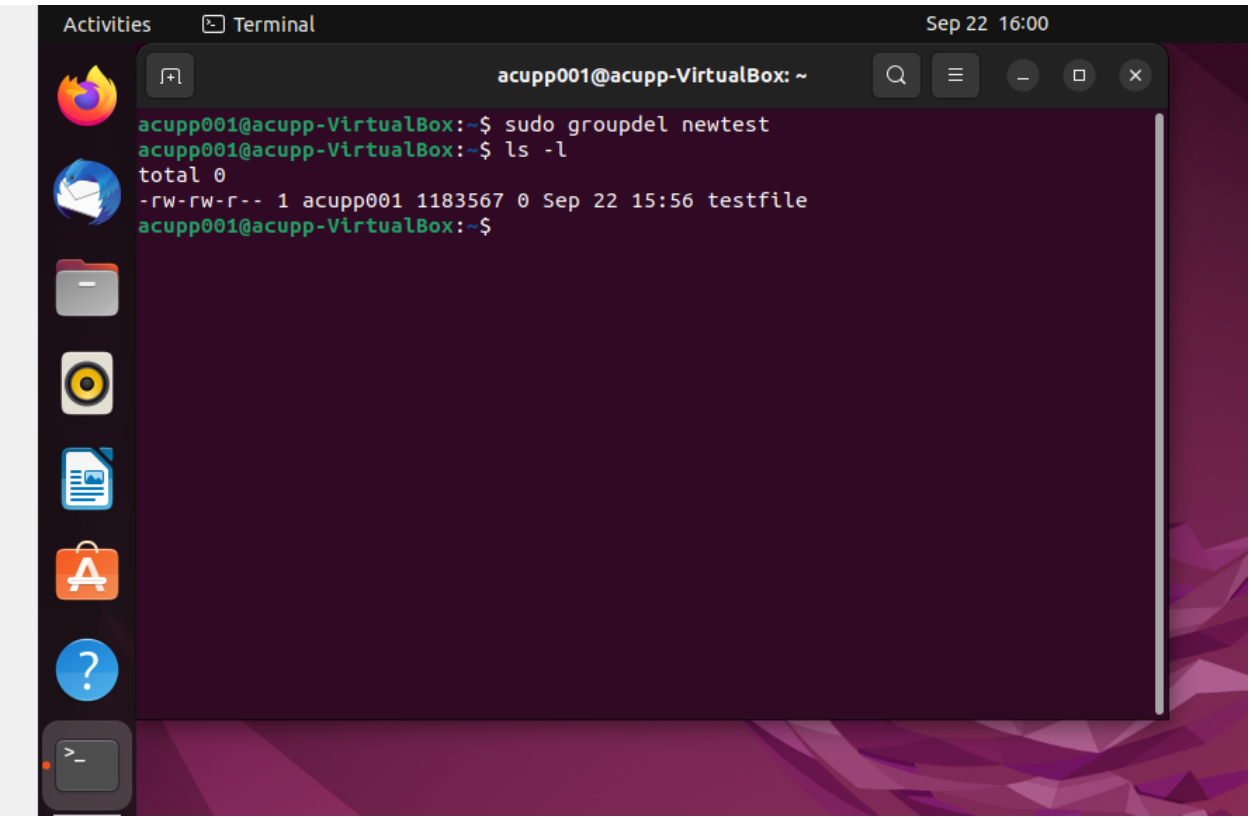
Step 8: used sudo usermod -G newtest -a acupp001 command to add the acupp001 as a secondary member of the newtest group without overriding this user's current group membership.



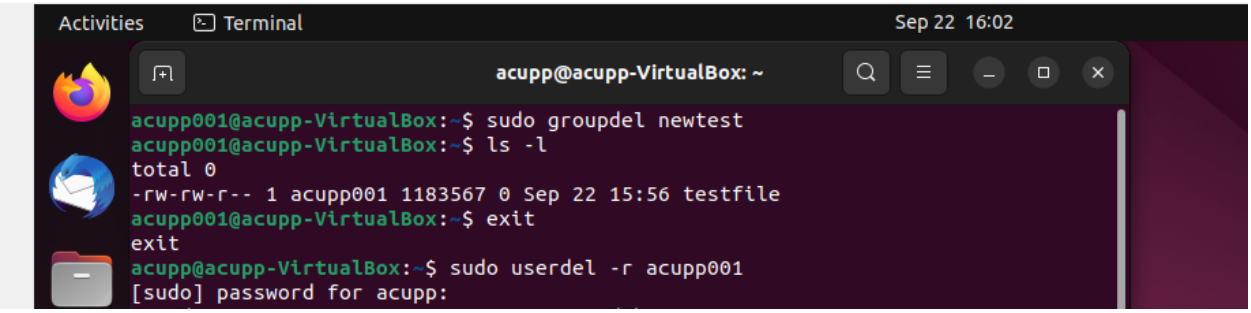
Step 9: used touch testfile command to create a new file testfile in the account's home directory, then used sudo chgrp newtest testfile command to change the group owner to newtest.



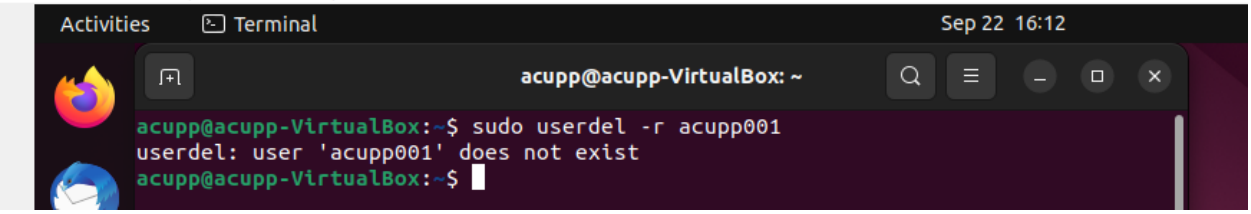
Step 10: used ls -l command to display the user owner and group owner information of the file testfile.



Step 11: Used sudo groupdel newtest command to delete the newtest group and used ls -l to repeat the previous step. I found that that that name “newtest” is no longer showing up as the group owner, but the GID for newtest which is my UIN 01183567 still is showing up.



Step 12 part 1: Used the exit command to exit acupp001, then used sudo userdel -r acupp001 to delete acupp001 and the home directory. I then entered in my password.



Step 12 part 2: Attempting to use the command again reveals that the user does not exist and has been deleted.