Frederick Gervacio

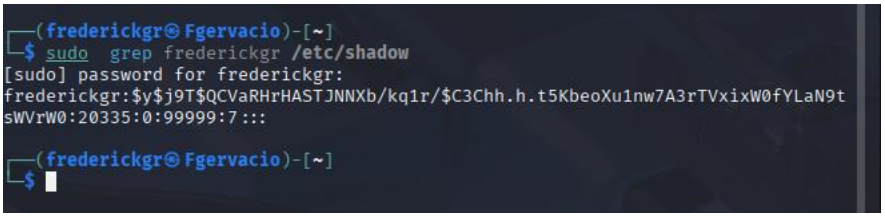
CYSE 270-17496: Linux System for Cybersecurity

Assignment 4

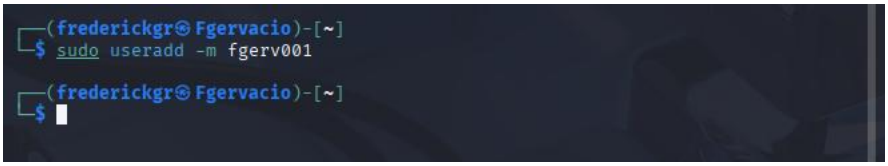
Task A – User Account management

1) **Used grep to show the login shell and home directory**

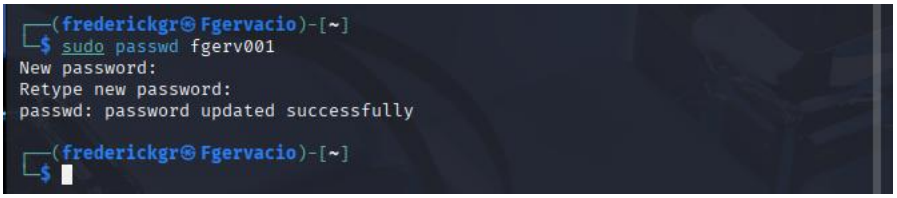
2) **When using only grep would get and denied response so had to use "sudo" before the grep user /etc/shadow command to be allowed access.**



3) **Using "sudo" command combined with useradd -m created a new user "fgerv001"**

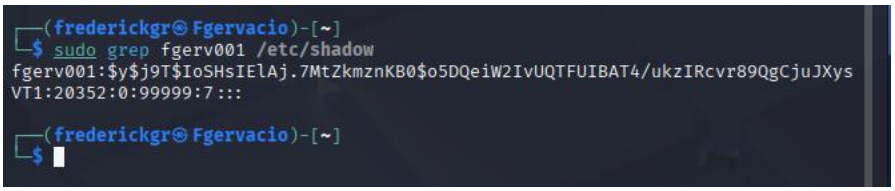


4) **Using "sudo" command with "passwd" created a password for user "fgerv001"**

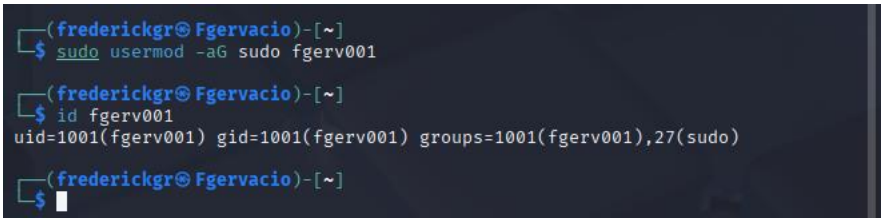


5) **Set bash shell as the default login for fgerv001 using “sudo” usermod and /bin/bash command. Verified it using the grep user /etc/passwd.**

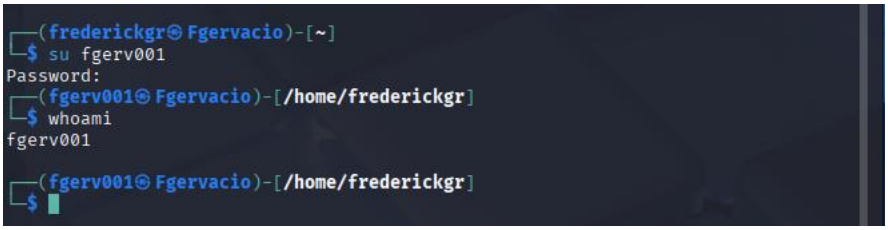
6) **used “sudo” grep user /etc/shadow command to display password information for the user**



7) **Added the user to a new group while maintaining the existing group membership using the usermod -aG command**



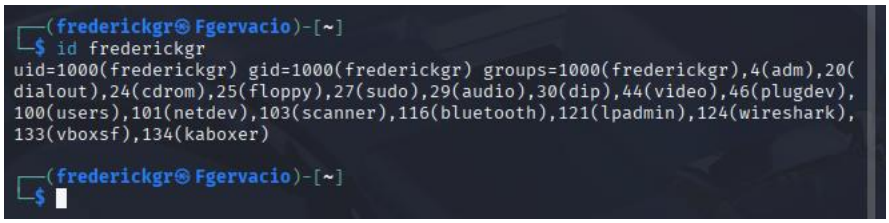
8) **Used the “su” command to switch user to the new account.**



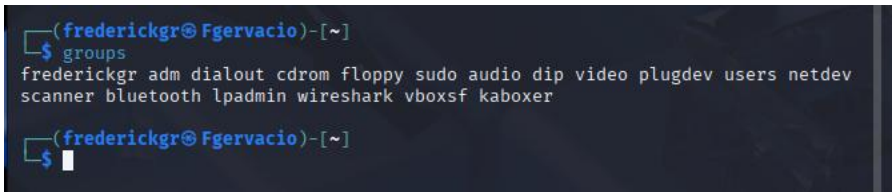
Task B – Group account management

1. **Returned to home directory and used the echo $SHELL command to determine my previous command.**

2. **Displayed the user's ID group membership with ID and username command**



3. **Used the "groups" command to display group membership of root account.**



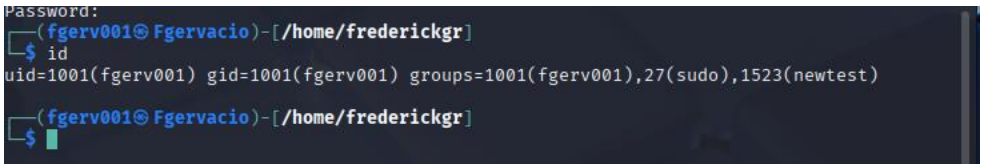
4. **Used the ls -l command with the /etc/group to show the user owner and group owner.**

5. **Created a new group named test and used 1523 as the GID because I couldn't find my UIN.**

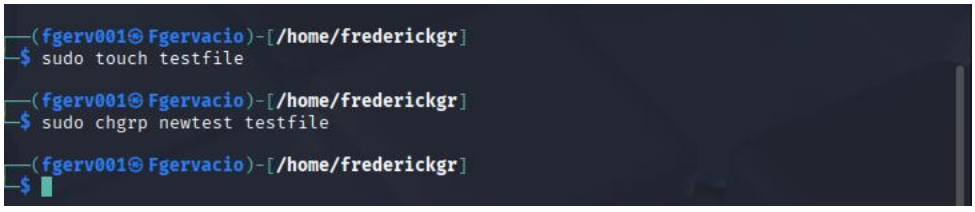
6. **Displayed the group account information the test group using the grep /etc/group command.**

7. **Changed the group name of the test group to newtest using the groupmod -n command**

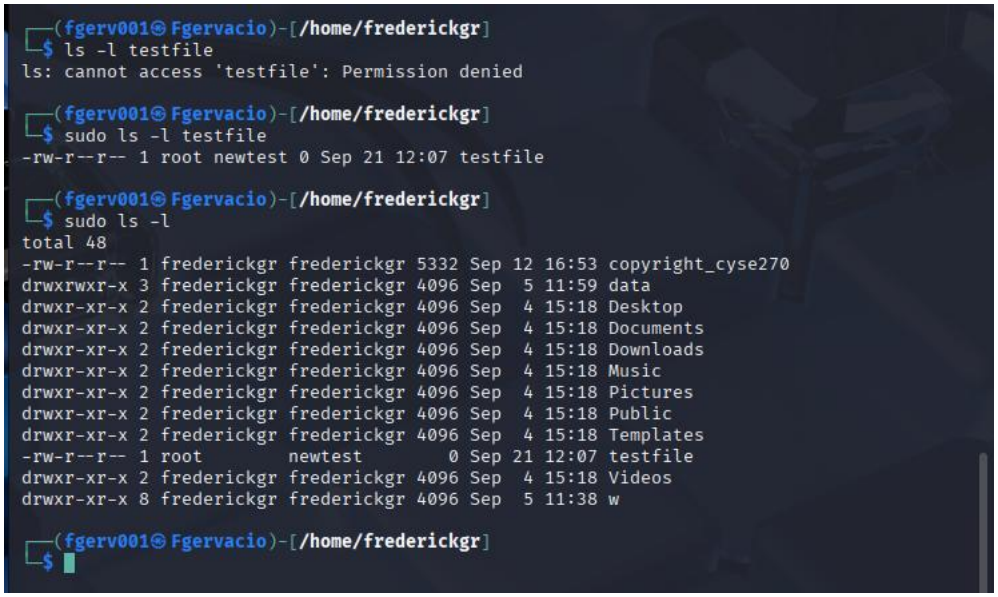
8. **Added the current fgerv001as second directory member without overwriting the user's current group membership.**



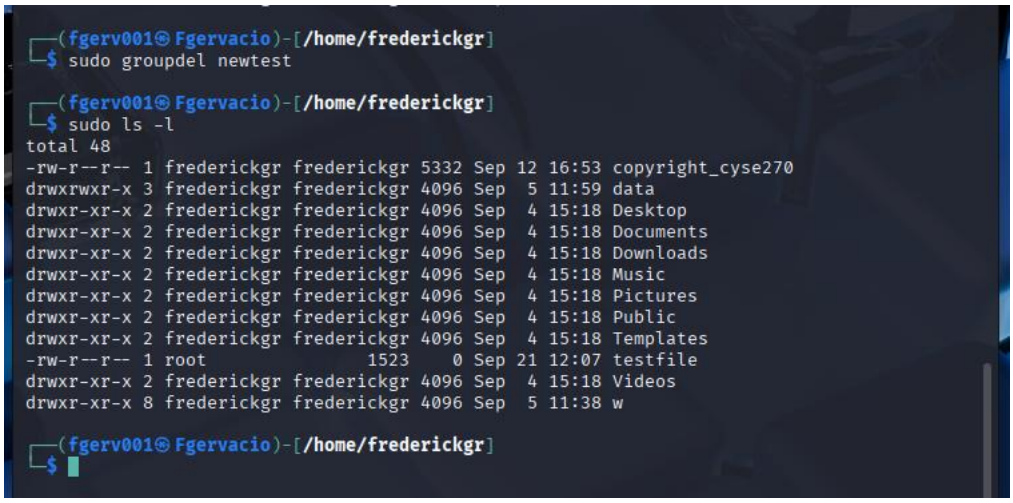
9. **Created a new file using the "touch" command in the fgerv001 account and changed the group owner to newtest using the "chgrp" command.**



10. **Displayed the user owner and group owner information of the testfile using the sudo ls -l command when I did't used "sudo" access was denied.**



11. **Delete the newtest group, then repeat the previous step. What do you find?**



the file is now owned by the GID of group 1523 which remove the permission.

12. **Delete the user fgerv001 along with the home directory using a single command. Sudo userdel -r fgerv001**