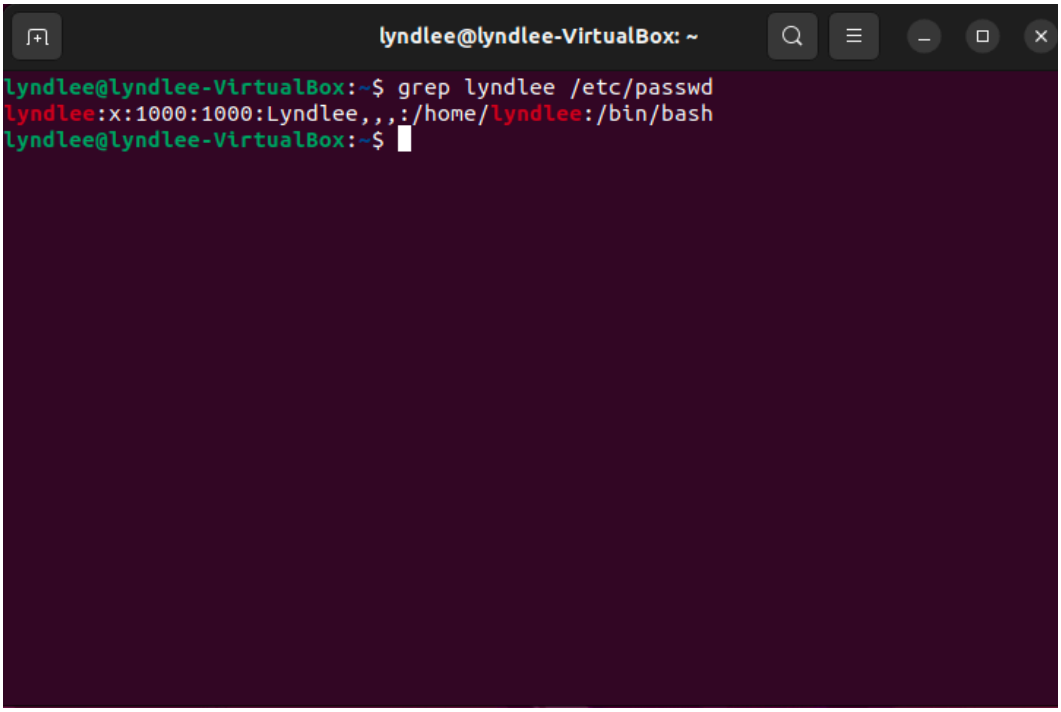
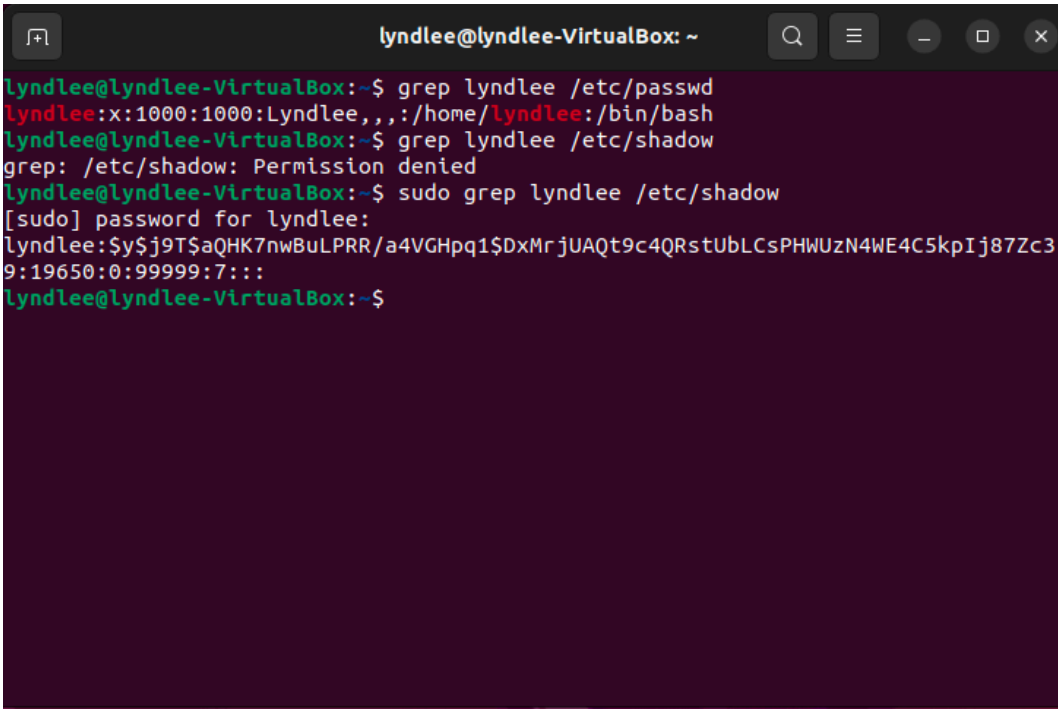
TASK A

Step 1:



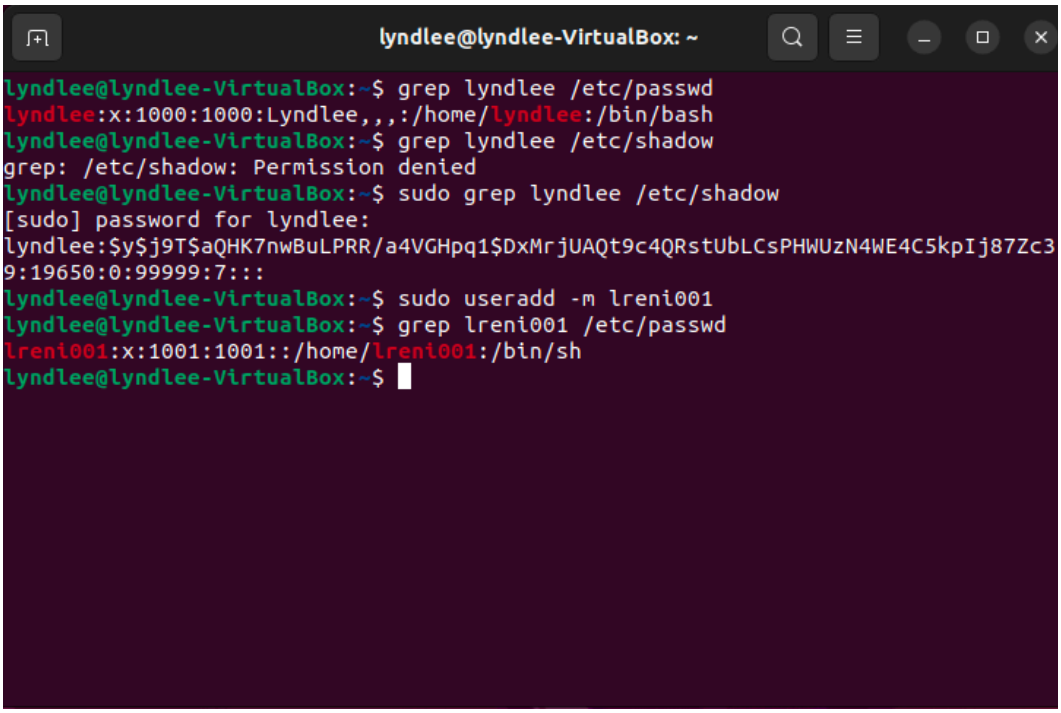
Open a terminal window in VM and execute the correct command to display user account information (including the login shell and home directory) for the current user using grep.

Step 2:



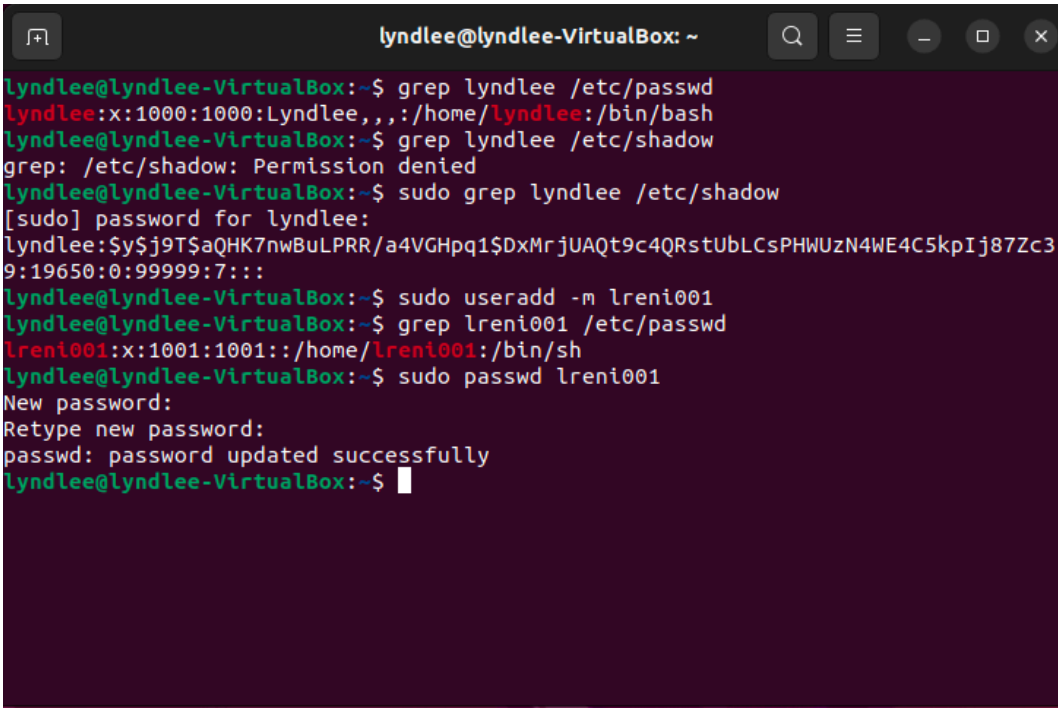
Execute the correct command to display user password information (including the encrypted password and password aging) for the current user using grep

Step 3:



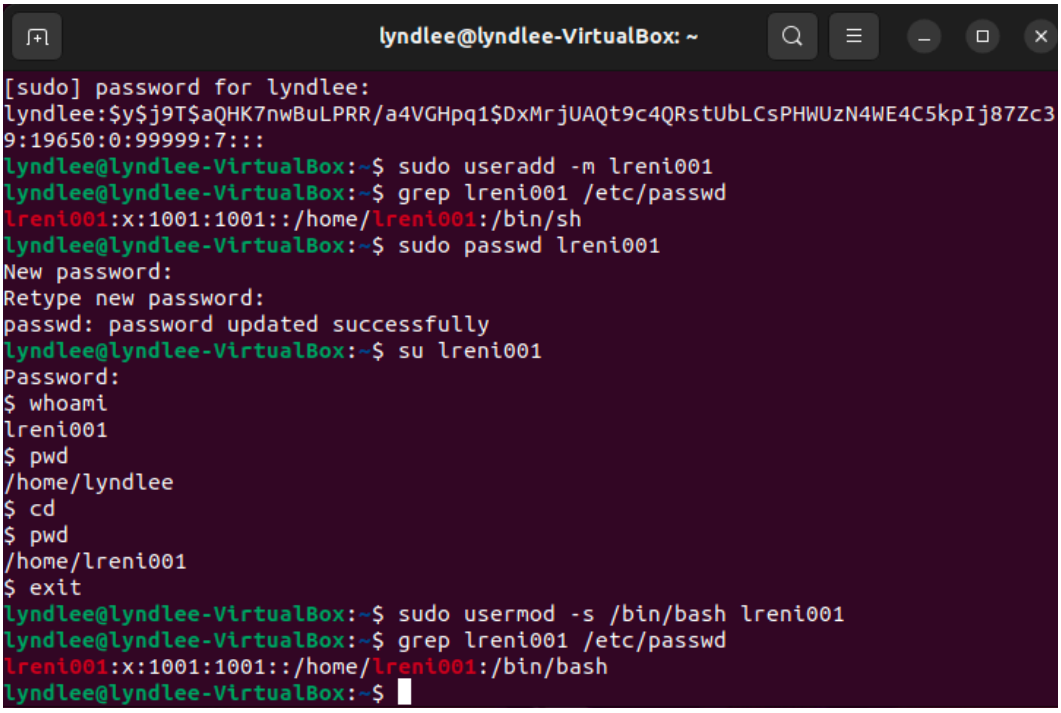
Create a new user named xxxxx and explicitly use the option to create the home directory for this user

Step 4:



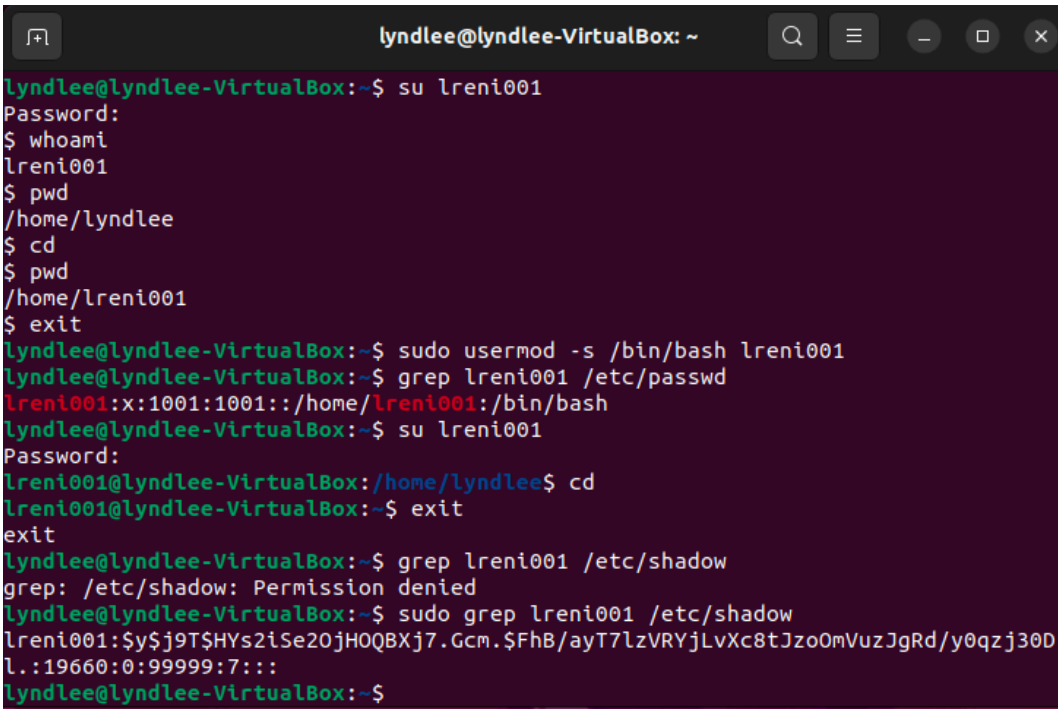
Set a password for the new user

Step 5:



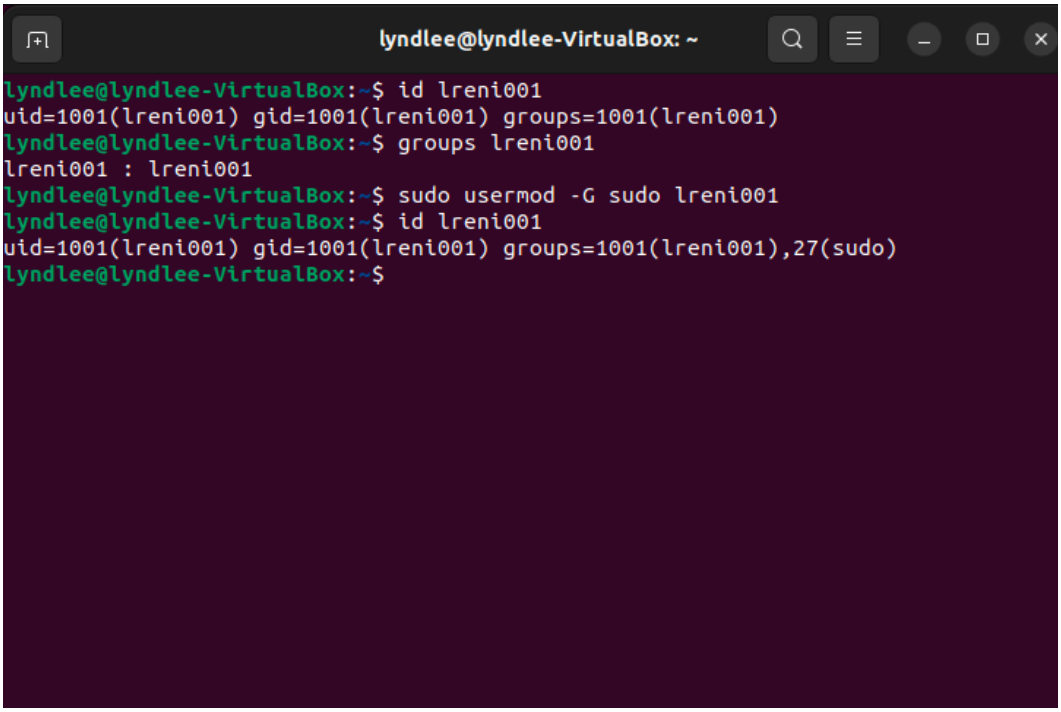
Set bash shell as the default login shell for the new user xxxxx, then verify the change

Step 6:



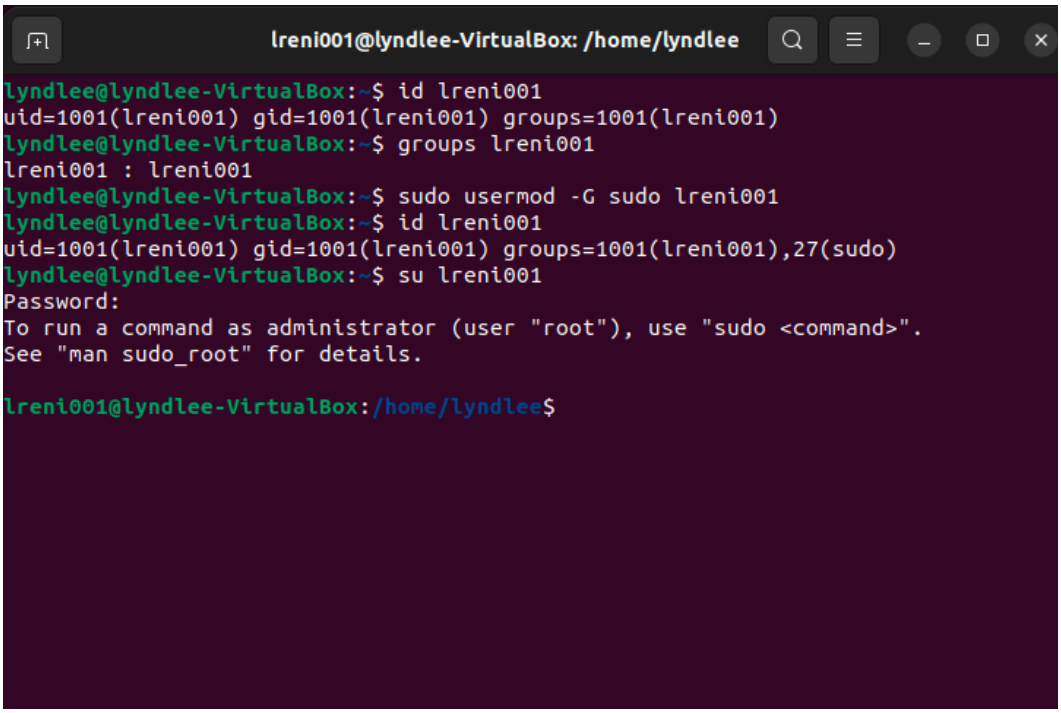
Execute the correct command to display user password information (including the encrypted password and password aging) for the new user xxxxx using grep

Step 7:



Add the new user xxxxx to sudo group without overriding the existing group membership

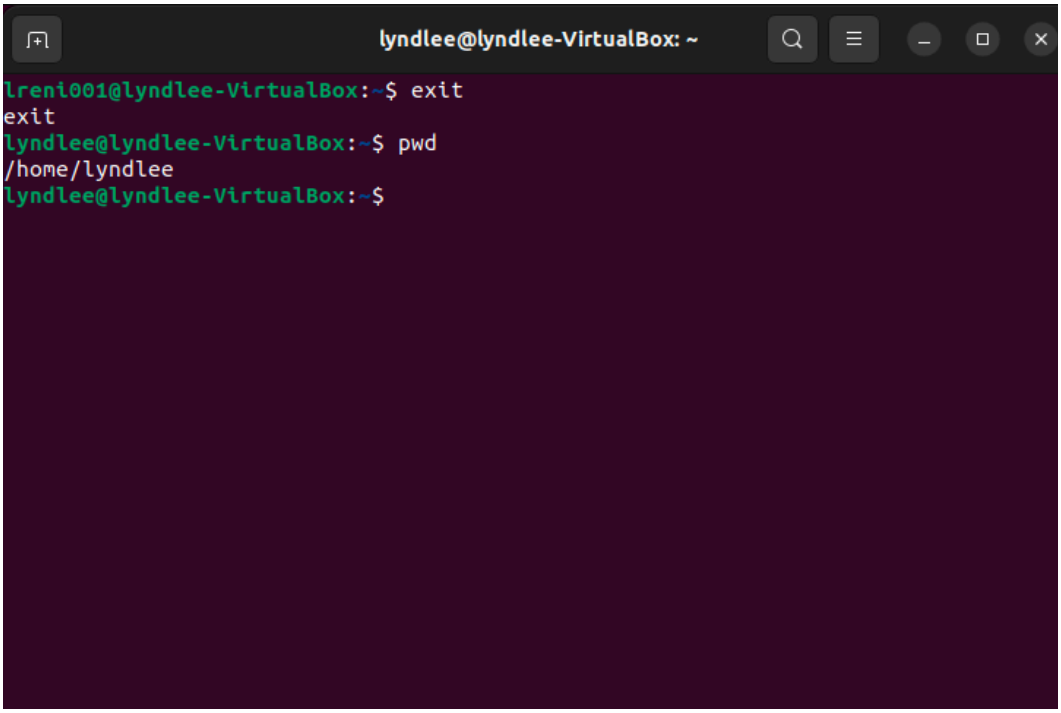
Step 8:



Switch to the new user's account

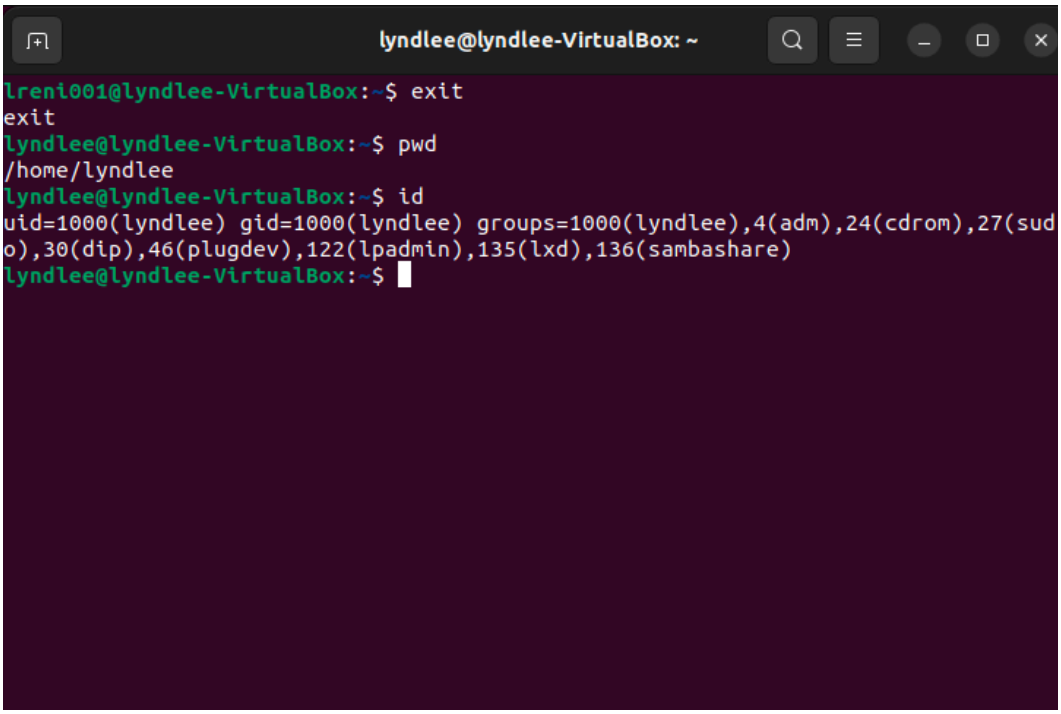
TASK B

Step 1:



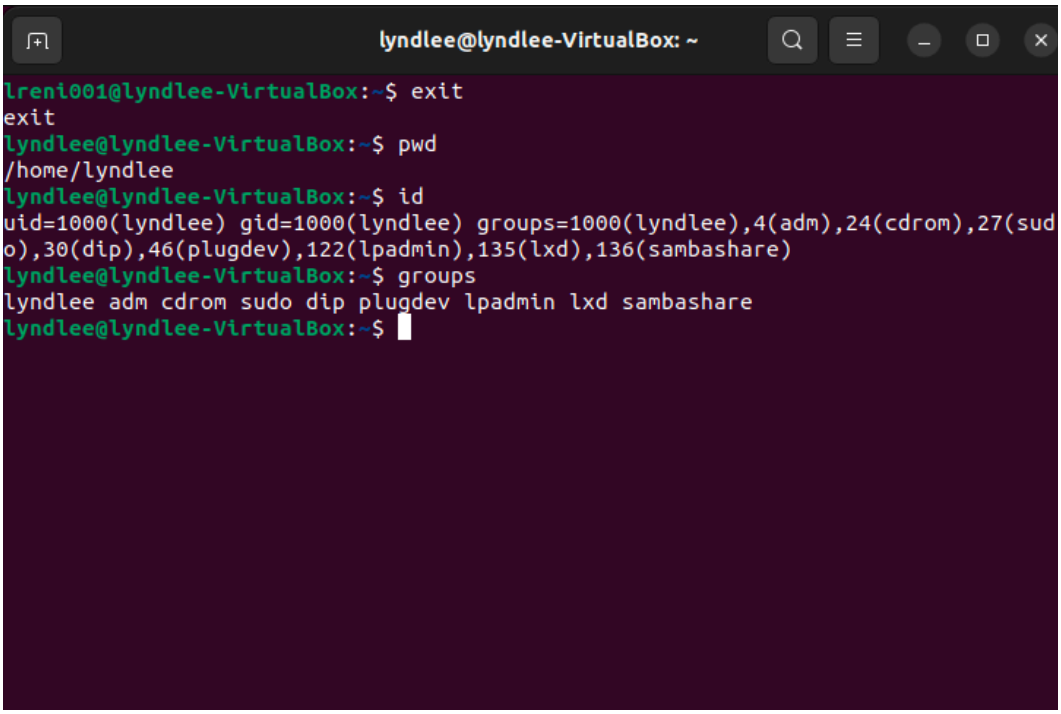
Return to your home directory and determine the shell you are using

Step 2:



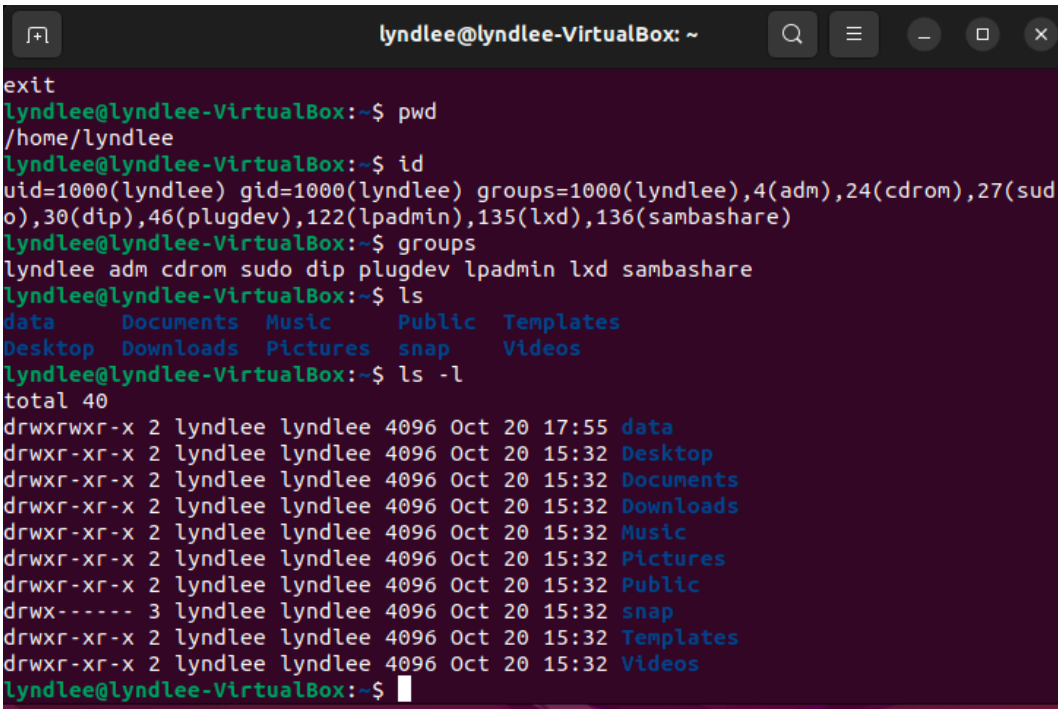
Display the current user's ID and group membership

Step 3:



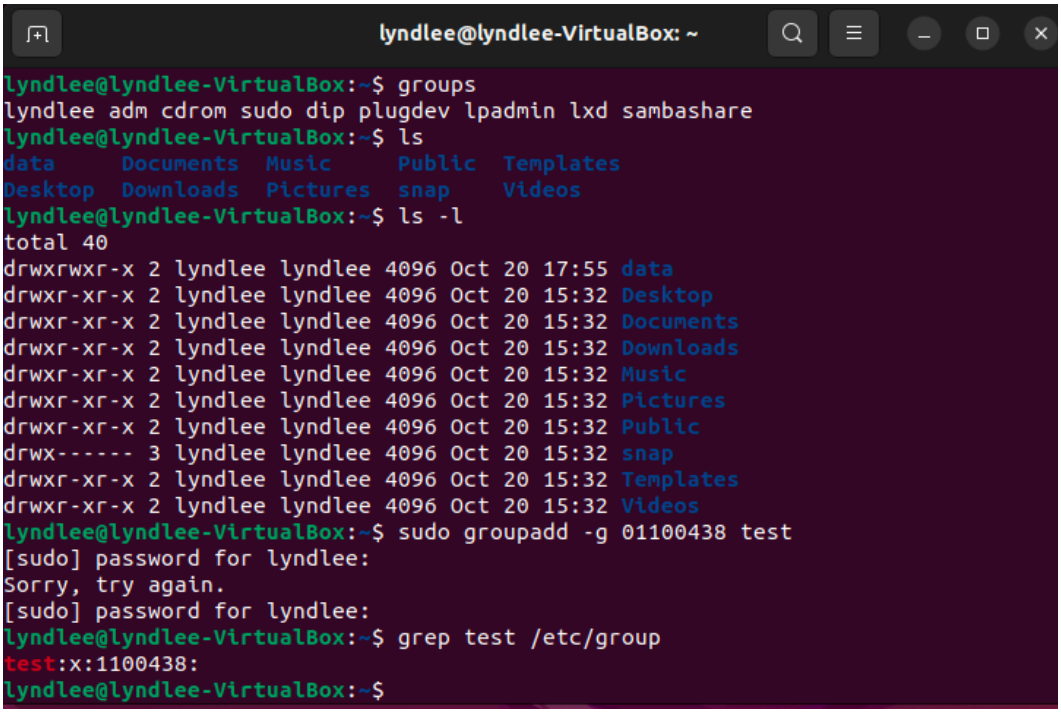
Display the group membership of the root account

Step 4:



Run the correct command to determine the user owner and group owner of the /etc/group file

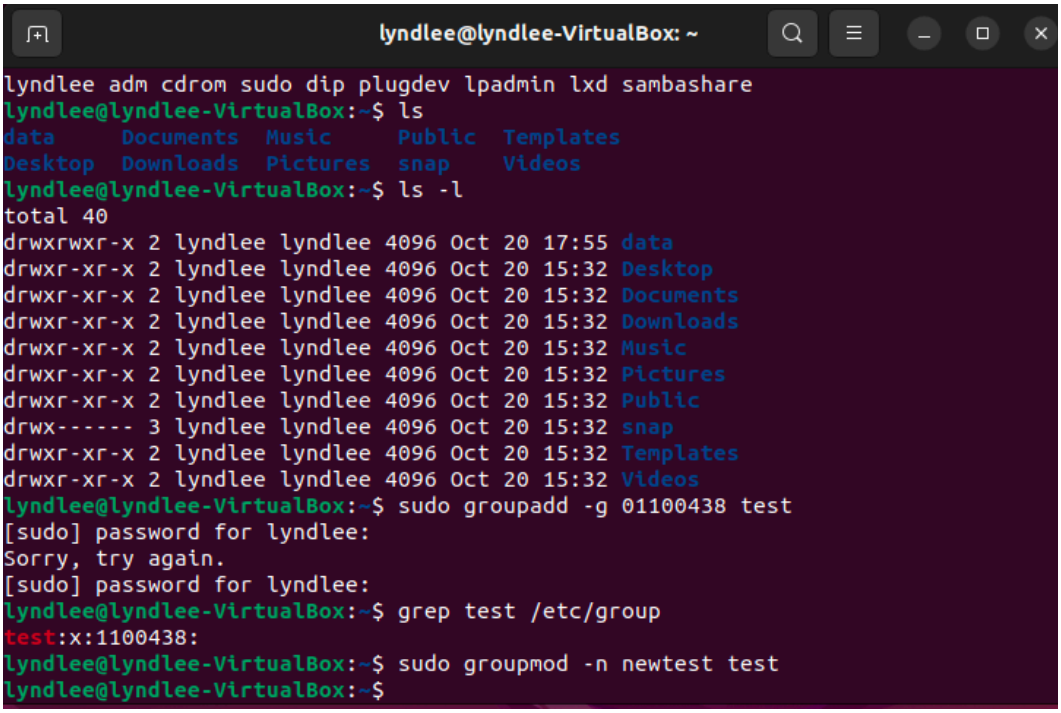
Step 5 and 6:



Create a new group named test and use your UIN as the GID

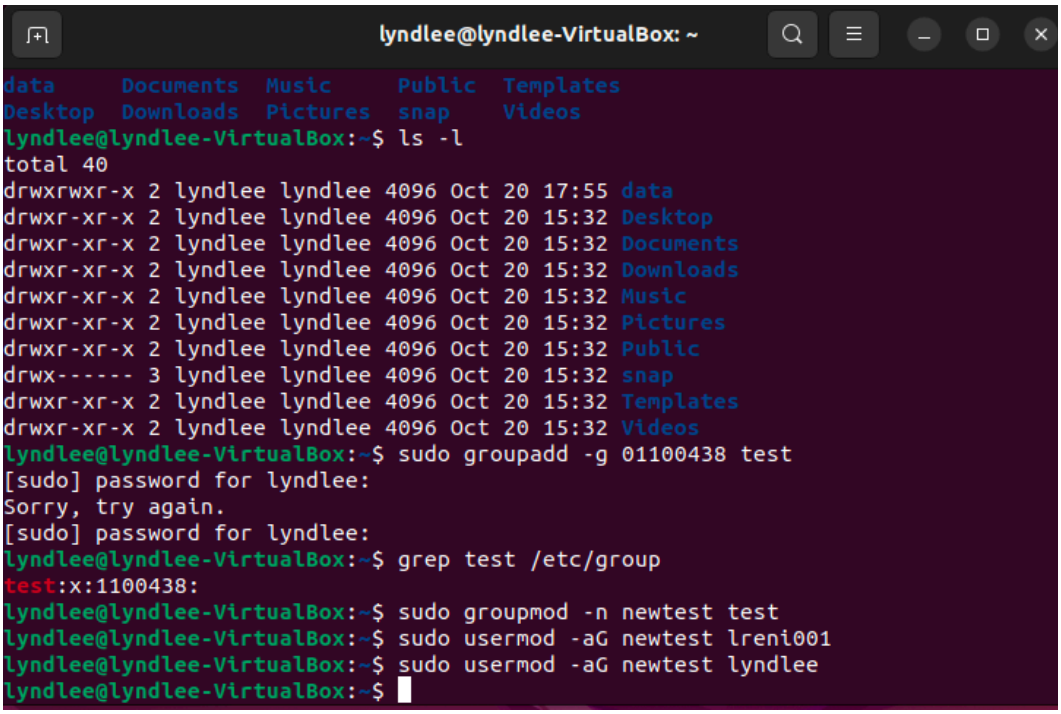
Display the group account information for the test group using grep

Step 7:



Change the group name of the test group to newtest

Step 8:



Add the current account (xxxxx) as a secondary member of the newtest group without overriding this user's current group membership

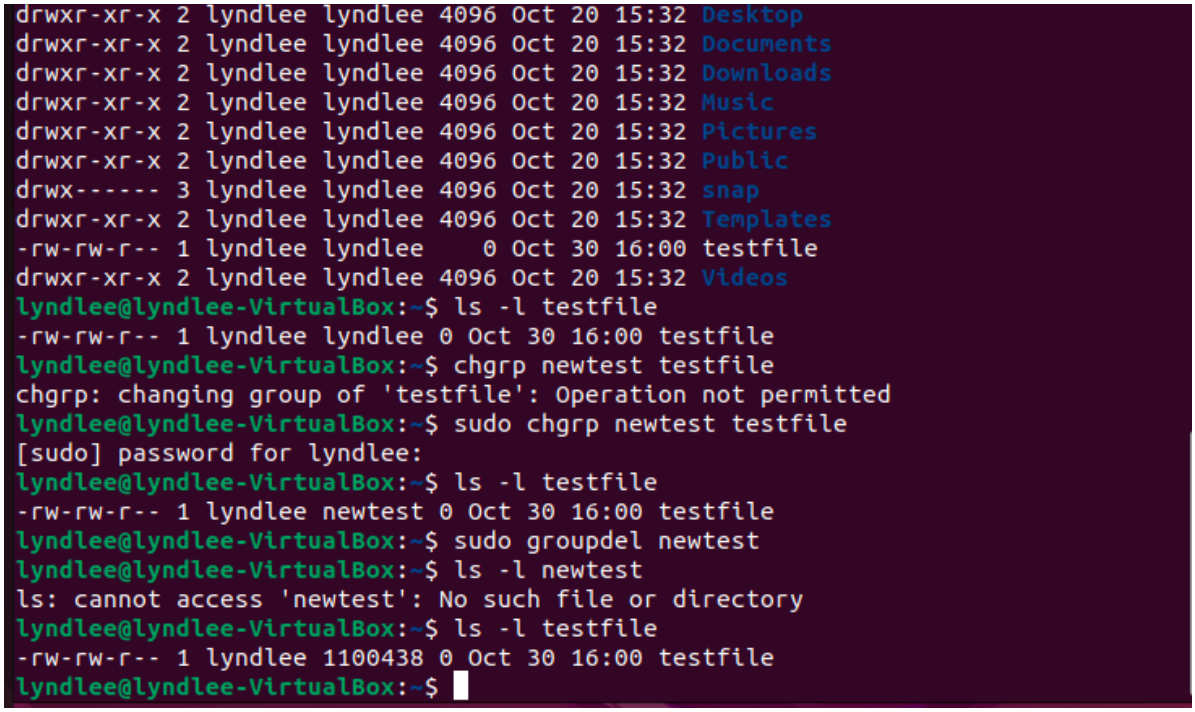
Step 9 and 10:

```
lee@lyndlee-VirtualBox:~$ sudo usermod -aG newtest lyndlee
lee@lyndlee-VirtualBox:~$ touch testfile
lee@lyndlee-VirtualBox:~$ ls -l
l 40
rwxr-x 2 lyndlee lyndlee 4096 Oct 20 17:55 data
r-xr-x 2 lyndlee lyndlee 4096 Oct 20 15:32 Desktop
r-xr-x 2 lyndlee lyndlee 4096 Oct 20 15:32 Documents
r-xr-x 2 lyndlee lyndlee 4096 Oct 20 15:32 Downloads
r-xr-x 2 lyndlee lyndlee 4096 Oct 20 15:32 Music
r-xr-x 2 lyndlee lyndlee 4096 Oct 20 15:32 Pictures
r-xr-x 2 lyndlee lyndlee 4096 Oct 20 15:32 Public
------ 3 lyndlee lyndlee 4096 Oct 20 15:32 snap
r-xr-x 2 lyndlee lyndlee 4096 Oct 20 15:32 Templates
rw-r-- 1 lyndlee lyndlee    0 Oct 30 16:00 testfile
r-xr-x 2 lyndlee lyndlee 4096 Oct 20 15:32 Videos
lee@lyndlee-VirtualBox:~$ ls -l testfile
rw-r-- 1 lyndlee lyndlee 0 Oct 30 16:00 testfile
lee@lyndlee-VirtualBox:~$ chgrp newtest testfile
p: changing group of 'testfile': Operation not permitted
lee@lyndlee-VirtualBox:~$ sudo chgrp newtest testfile
o] password for lyndlee:
lee@lyndlee-VirtualBox:~$ ls -l testfile
rw-r-- 1 lyndlee newtest 0 Oct 30 16:00 testfile
lee@lyndlee-VirtualBox:~$
```

Create a new file testfile in the account's home directory, then change the group owner to newtest

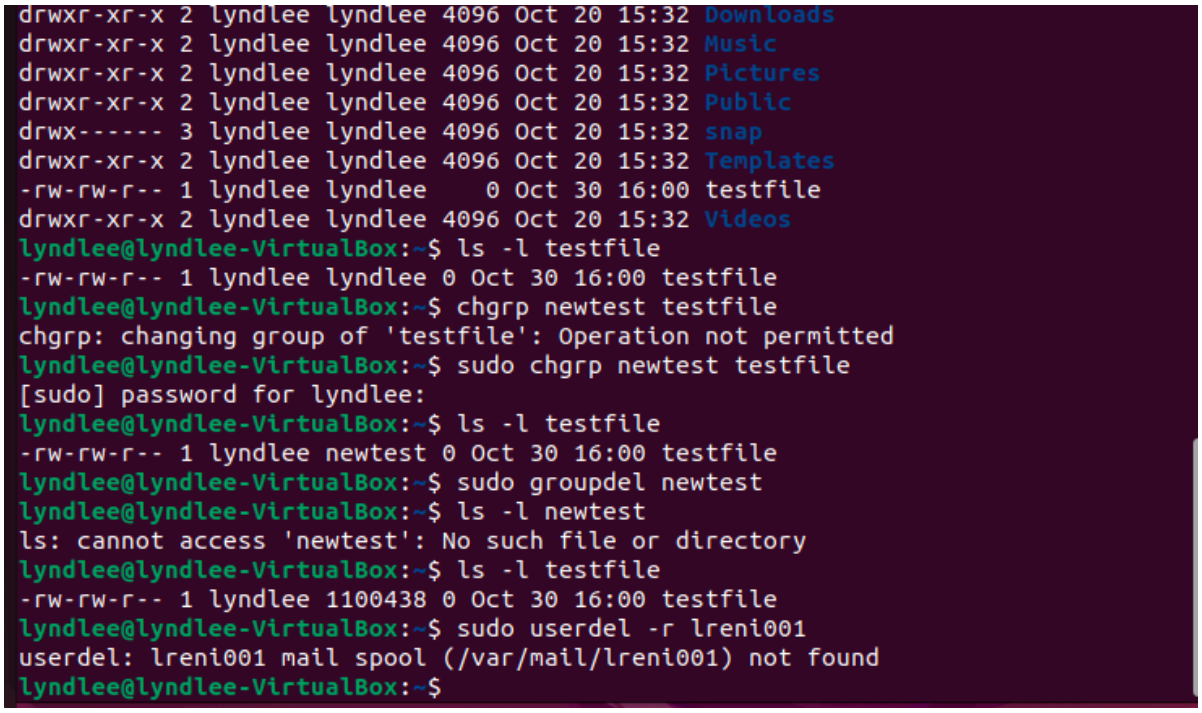
Display the user owner and group owner information of the file testfile

Step 11:



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

Step 12:



Delete the user xxxxx along with the home directory using a single command