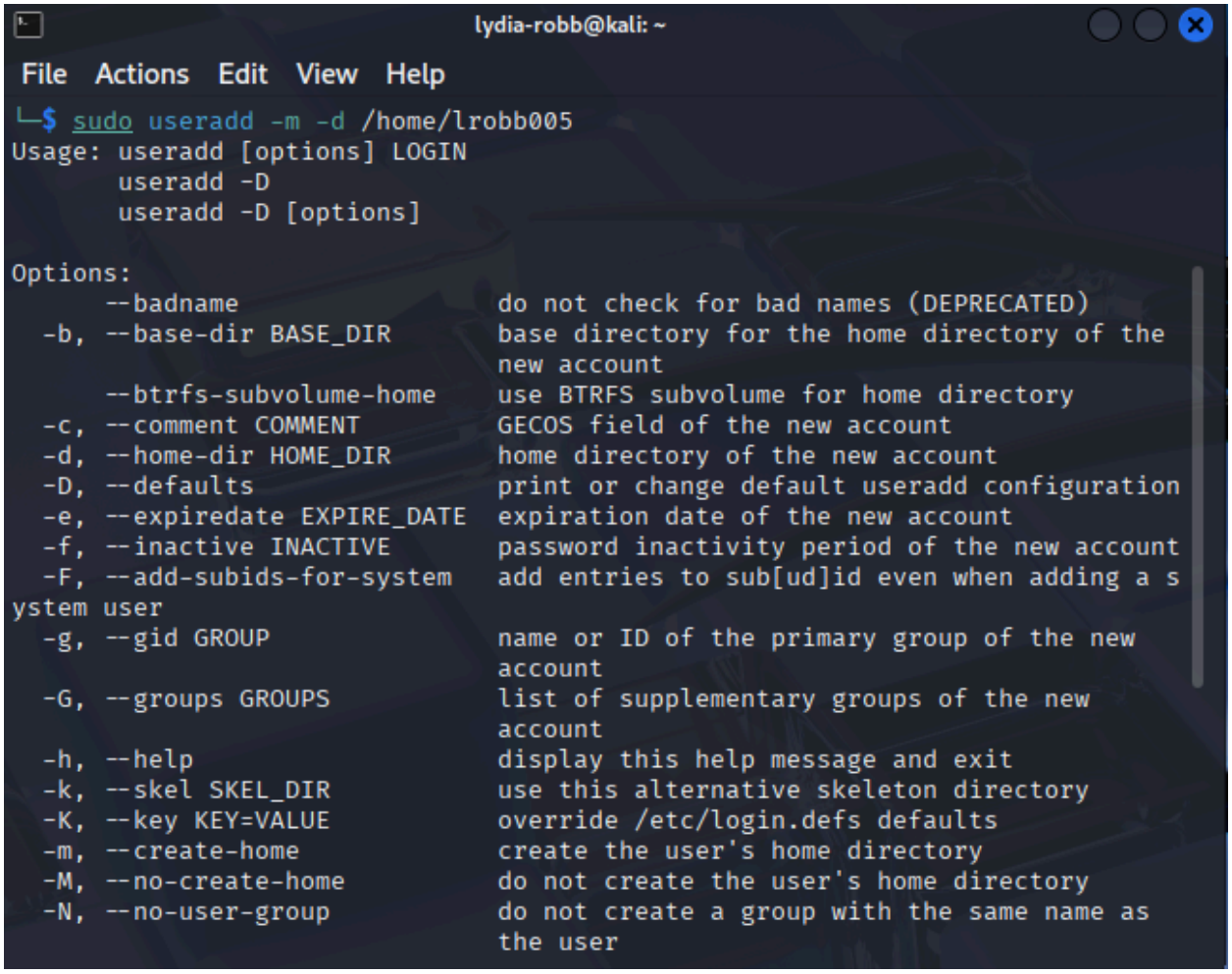
Task A

Step 1: grep "^$(whoami):" /etc/passwd

- The output was “access denied”, therefore it requires sudo

Step 2: sudo grep "^$(whoami):" /etc/shadow

Step 3: sudo useradd -m -d /home/lrobb005

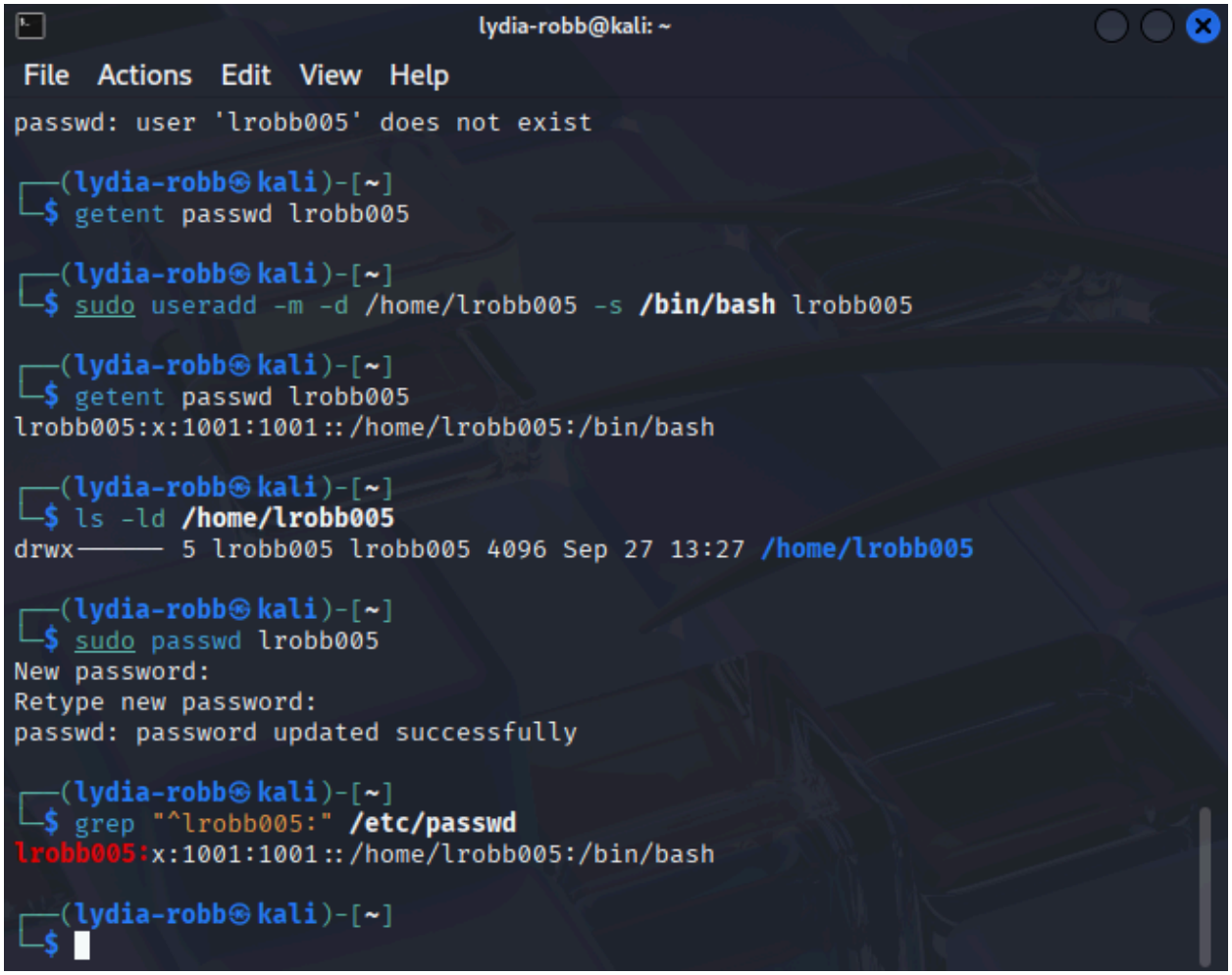


Step 4-5: Set password as bash as default shell

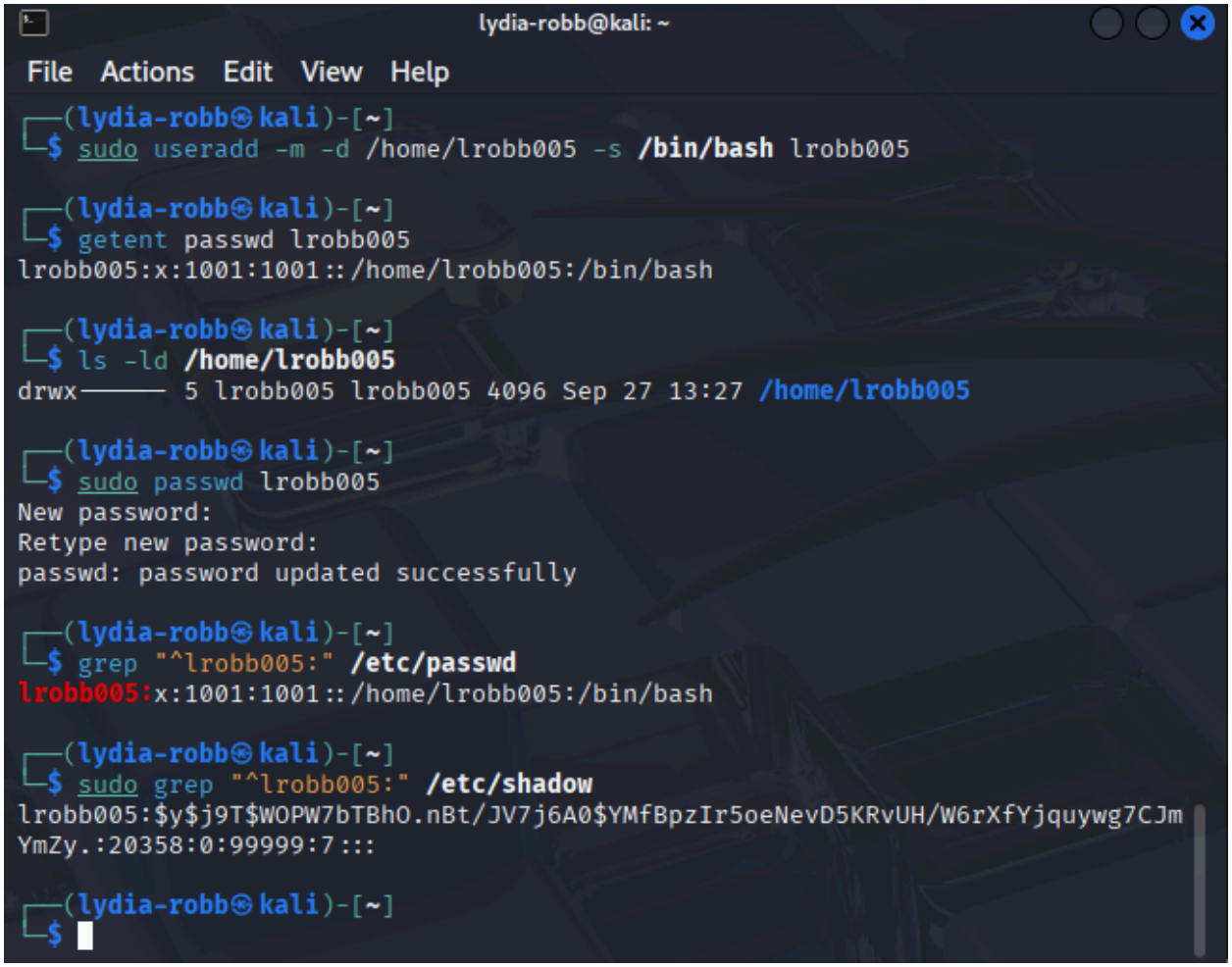
sudo passwd lrobb005

sudo usermod -s /bin/bash lrobb005

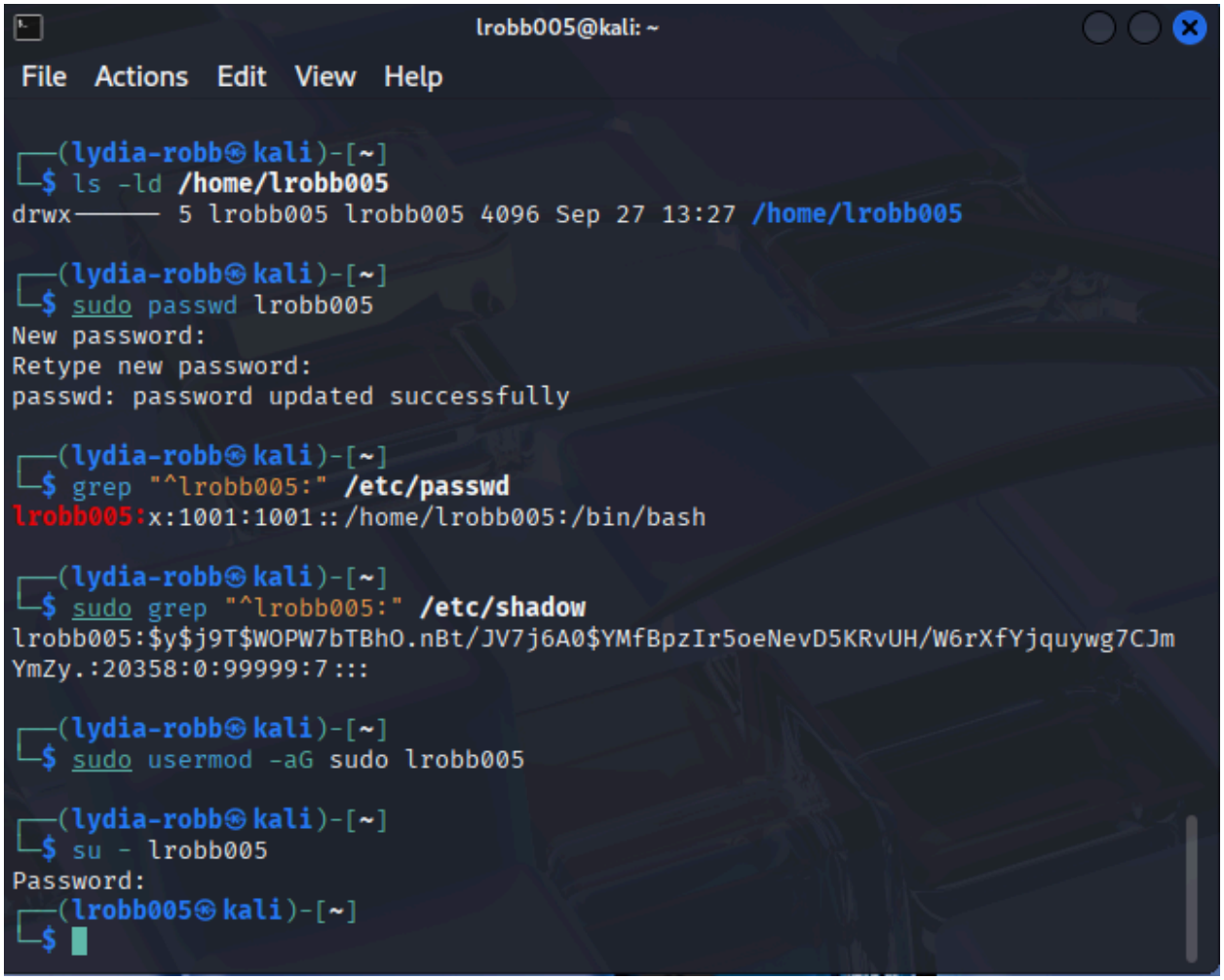
grep "^lrobb005:" /etc/passwd



Step 6: sudo grep "^lrobb005:" /etc/shadow



Step 7-8: sudo usermod -aG sudo lrobb005
su - lrobb005



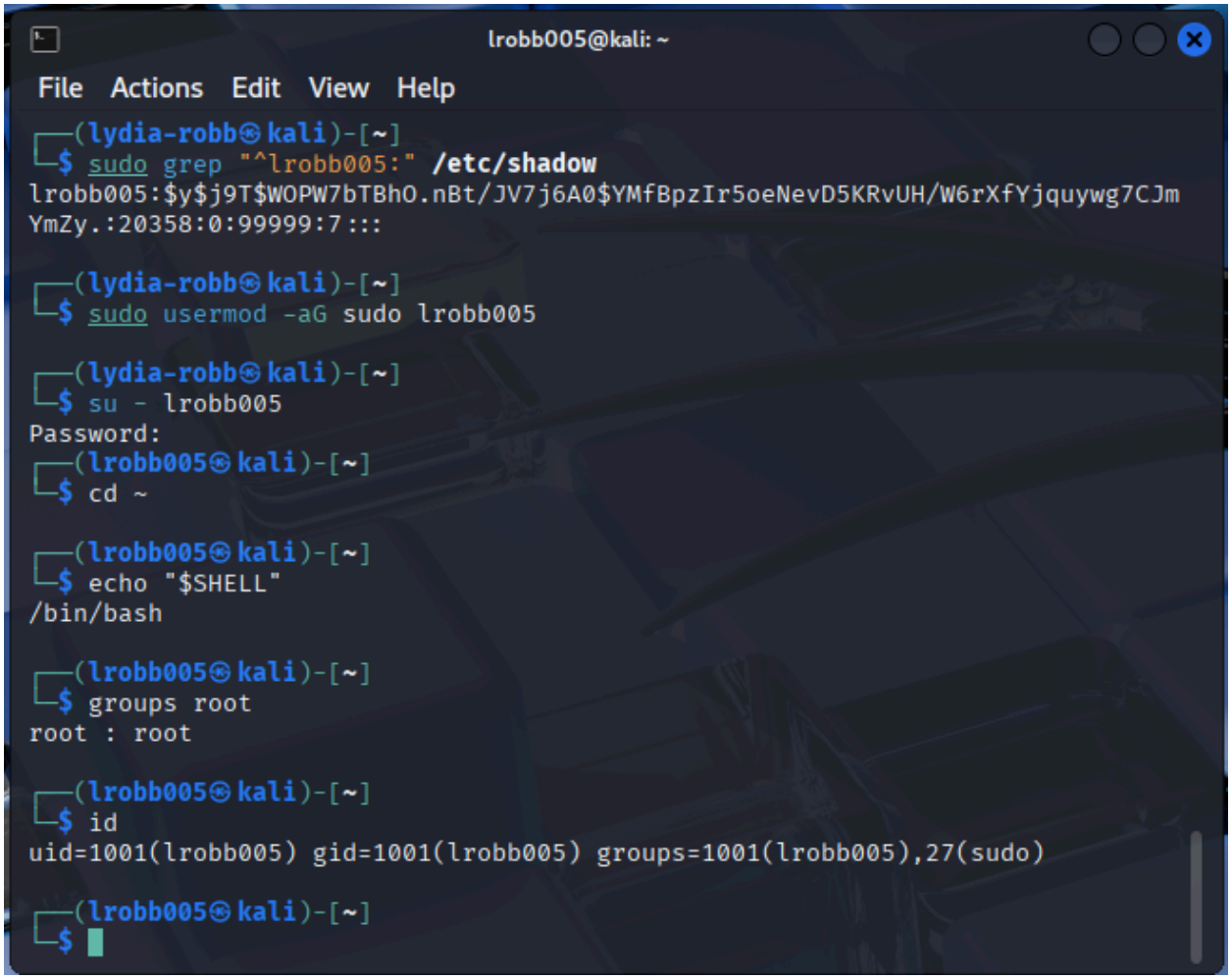
Task B

Step 1-3: cd ~

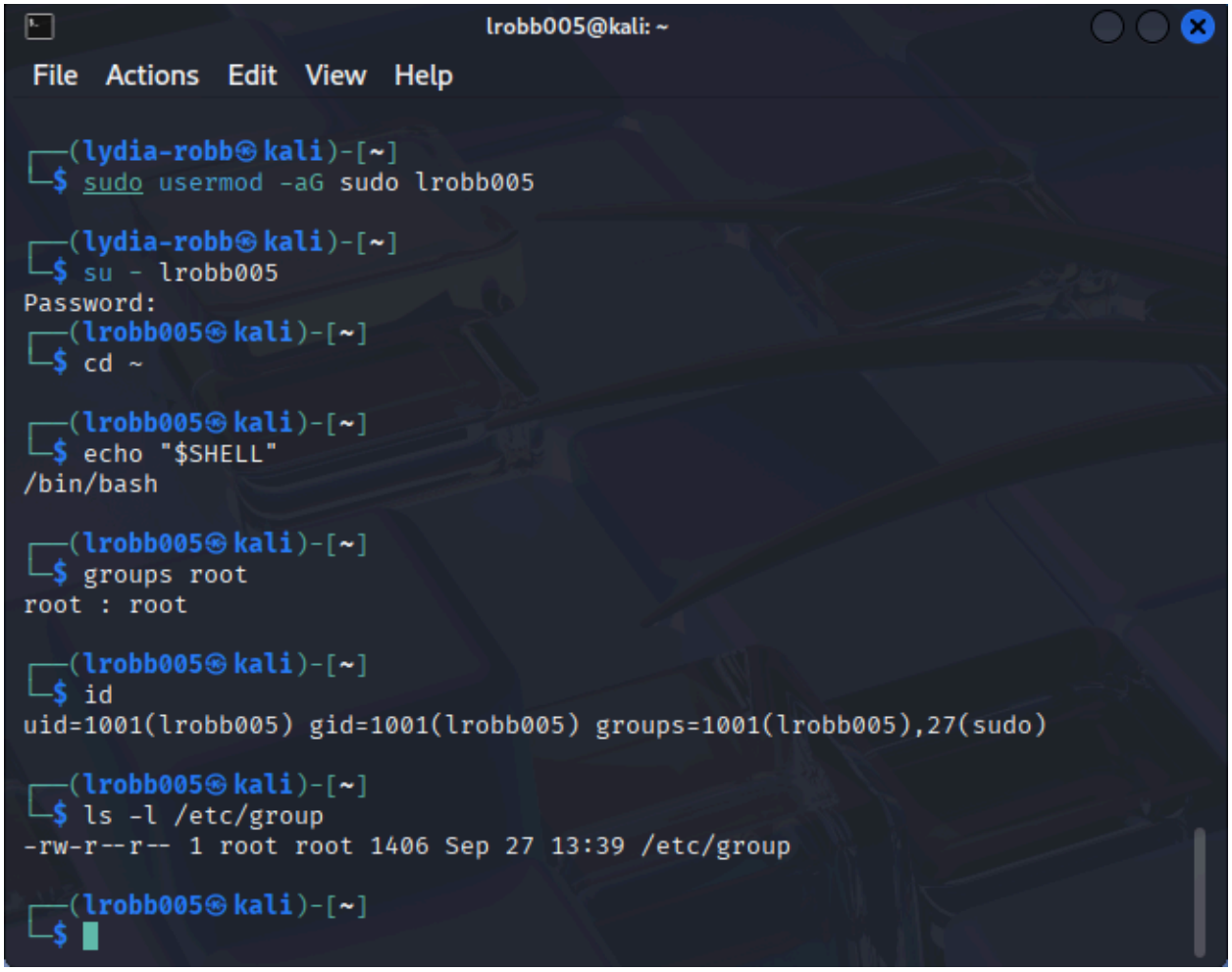
echo "$SHELL"

id

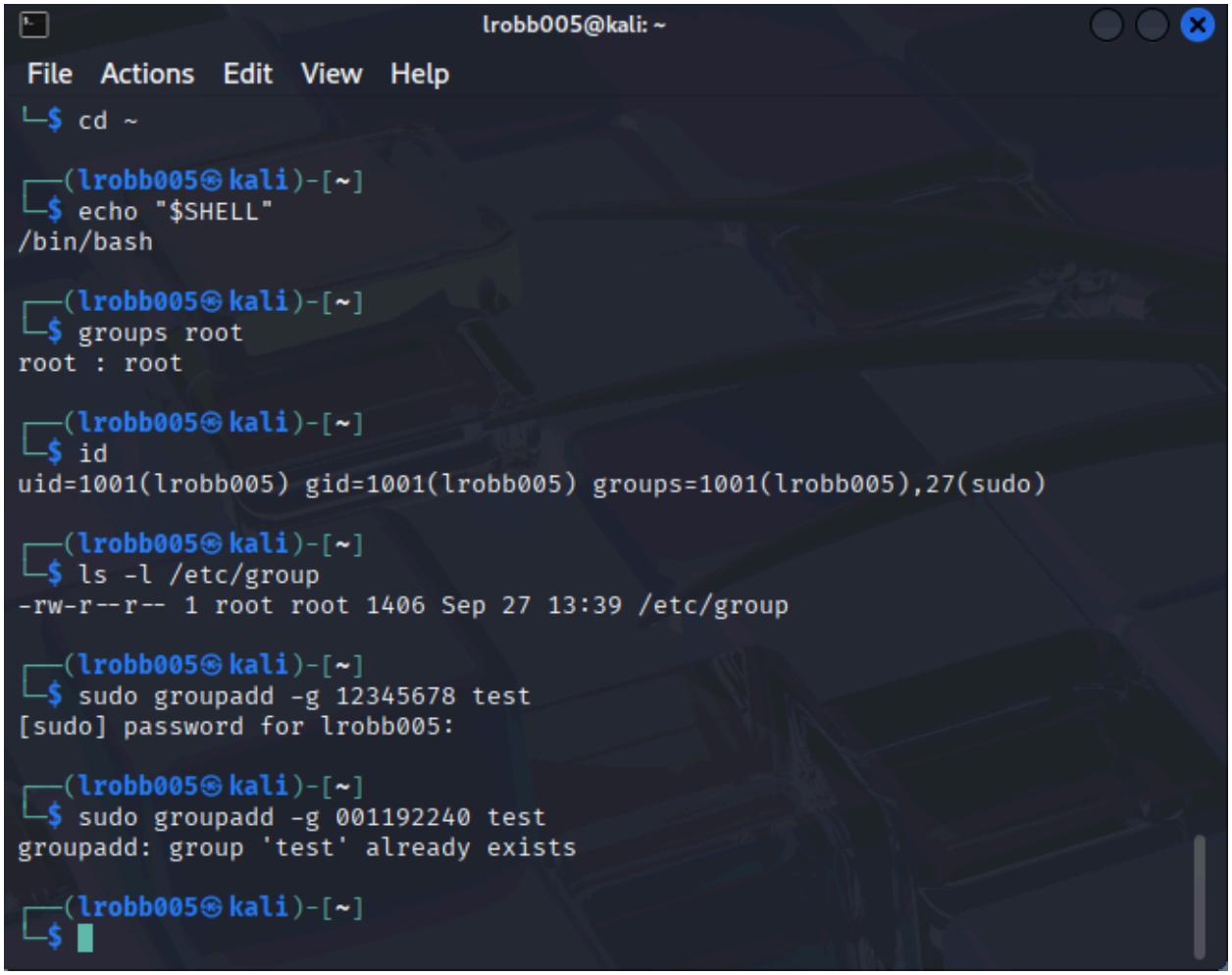
groups root



Step 4: ls -l /etc/group



Step 5: sudo groupadd -g 01192240 test

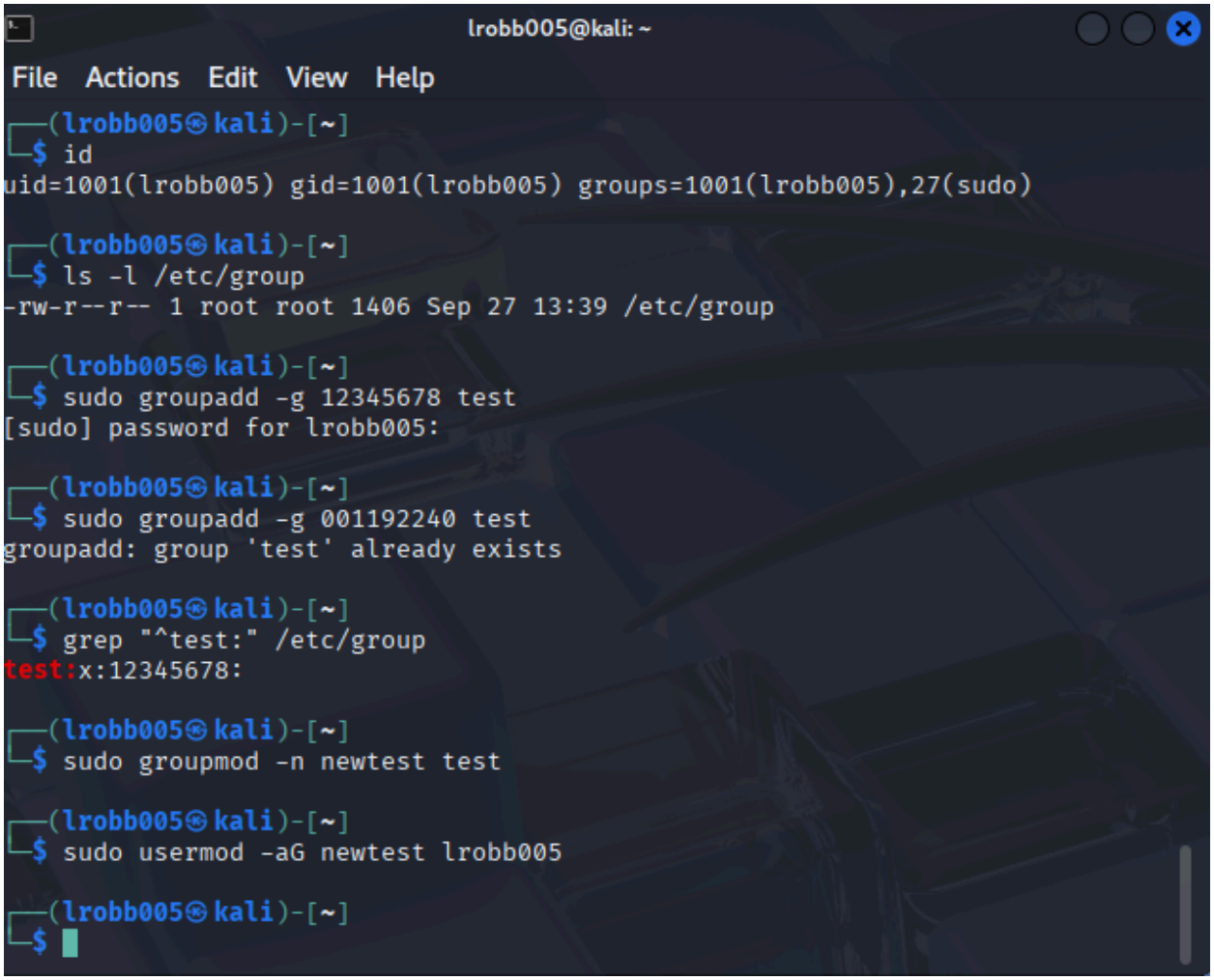


Step 6-8: grep "^test:" /etc/group

sudo groupmod -n newtest test

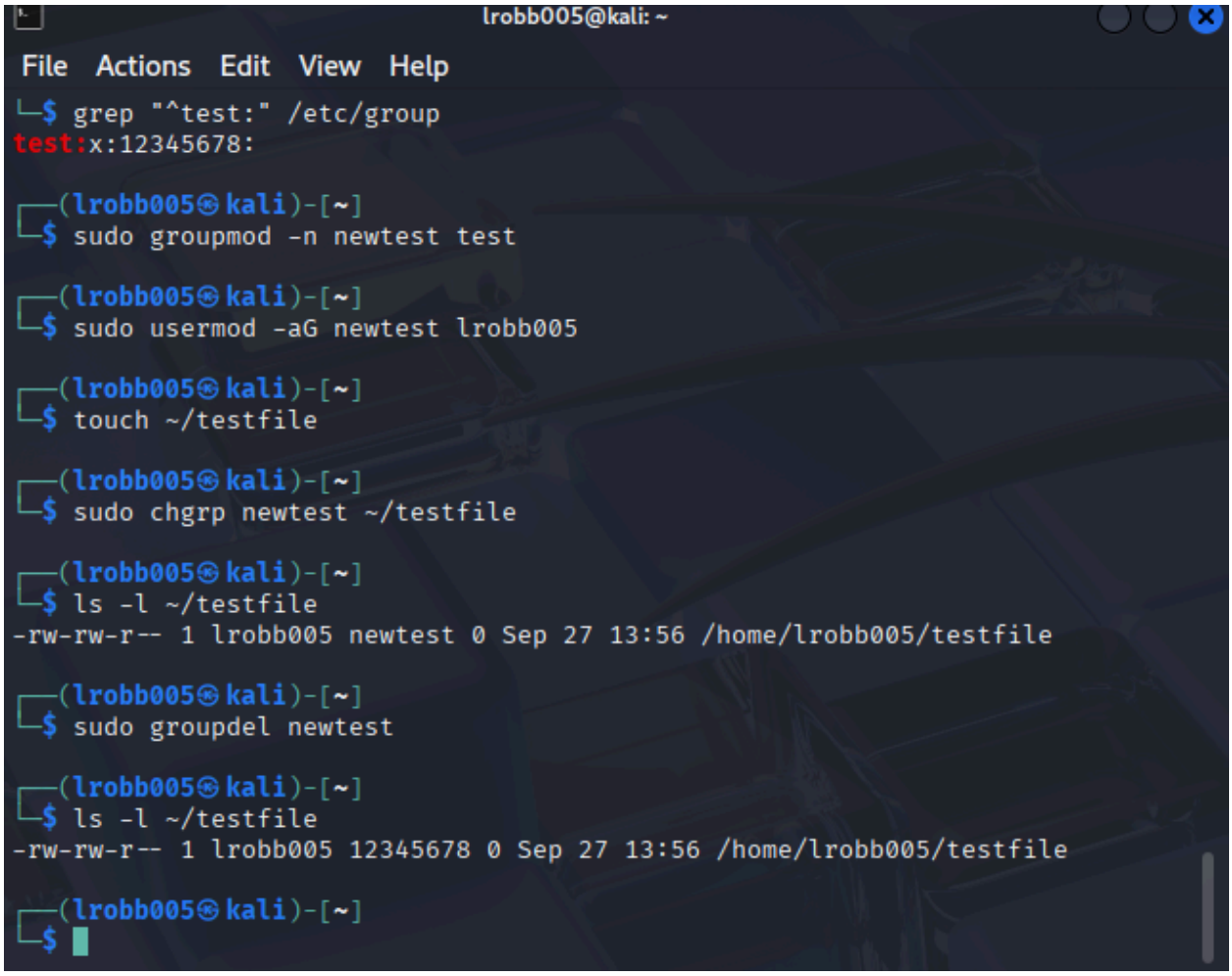
sudo usermod -aG newtest lrobb005

- I accidentally forgot to replace “12345678” with my UIN

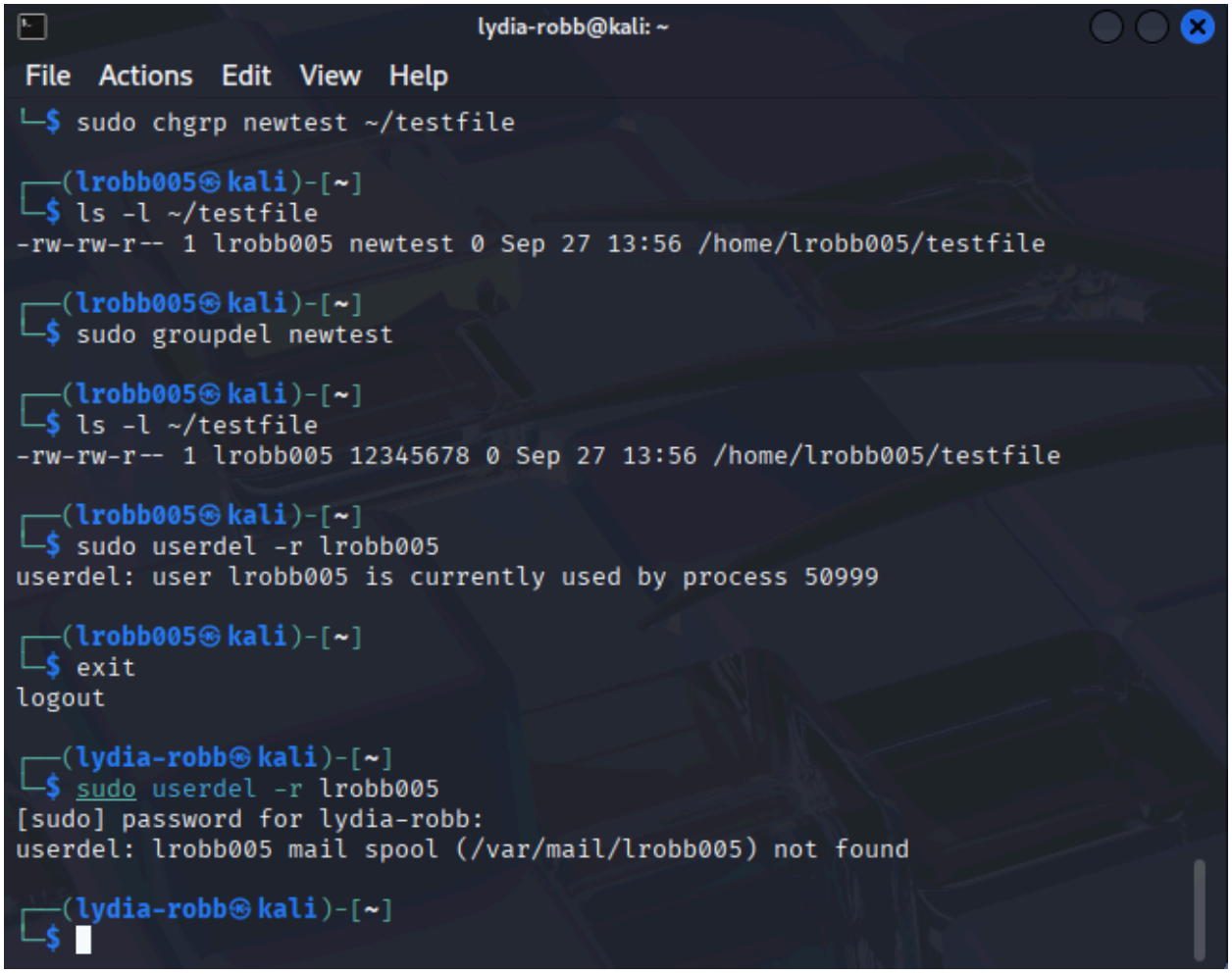


Step 9-11: touch ~/testfile
sudo chgrp newtest ~/testfile
ls -l ~/testfile
sudo groupdel newtest
ls -l ~/testfile

- I can now see the numeric GID instead of the group name because the name was removed but the GID remains on the file



Step 12: exit
sudo userdel -r lrobb005


lydia-robb@kali: ~
File Actions Edit View Help
└─$ sudo chgrp newtest ~/testfile
┌──(lrobb005㉿kali)-[~]
└─$ ls -l ~/testfile
-rw-rw-r-- 1 lrobb005 newtest 0 Sep 27 13:56 /home/lrobb005/testfile
┌──(lrobb005㉿kali)-[~]
└─$ sudo groupdel newtest
┌──(lrobb005㉿kali)-[~]
└─$ ls -l ~/testfile
-rw-rw-r-- 1 lrobb005 12345678 0 Sep 27 13:56 /home/lrobb005/testfile
┌──(lrobb005㉿kali)-[~]
└─$ sudo userdel -r lrobb005
userdel: user lrobb005 is currently used by process 50999
┌──(lrobb005㉿kali)-[~]
└─$ exit
logout
┌──(lydia-robb㉿kali)-[~]
└─$ sudo userdel -r lrobb005
[sudo] password for lydia-robb:
userdel: lrobb005 mail spool (/var/mail/lrobb005) not found
┌──(lydia-robb㉿kali)-[~]
└─$