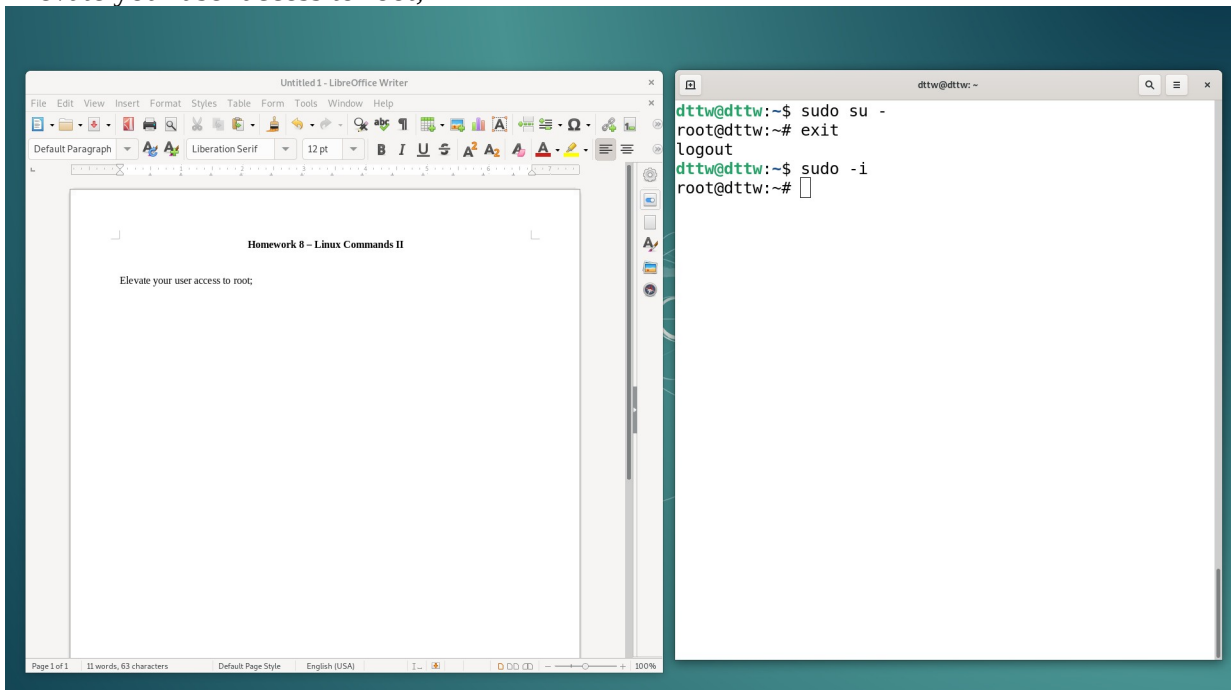


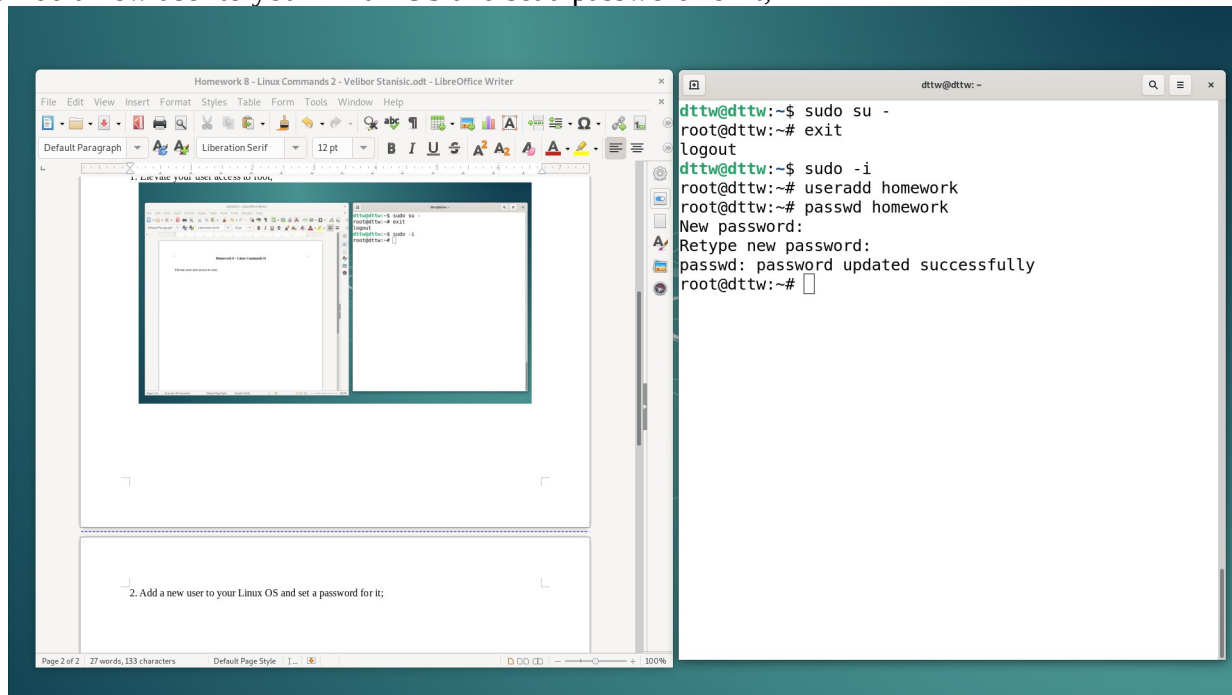
## Homework 8 – Linux Commands II

```
dttw@dttw:~$ whoami
dttw
dttw@dttw:~$ ls -l Code/sa-homeworks/
total 40
drwxr-xr-x 3 dttw dttw 4096 map 8 00:48 'Azure CLI'
drwxr-xr-x 3 dttw dttw 4096 map 8 00:48 'Hello Lambda'
drwxr-xr-x 2 dttw dttw 4096 map 8 00:48 'Homework 1'
drwxr-xr-x 3 dttw dttw 4096 map 8 00:48 'Homework 2'
drwxr-xr-x 3 dttw dttw 4096 map 8 00:48 'Homework 3'
drwxr-xr-x 3 dttw dttw 4096 map 8 00:48 'Homework 4'
drwxr-xr-x 3 dttw dttw 4096 map 8 00:48 'Homework 5'
drwxr-xr-x 3 dttw dttw 4096 map 8 00:48 'Homework 6'
drwxr-xr-x 3 dttw dttw 4096 map 8 00:48 'Homework 7'
-rw-r--r-- 1 dttw dttw 1055 map 8 00:48 README.md
dttw@dttw:~$
```

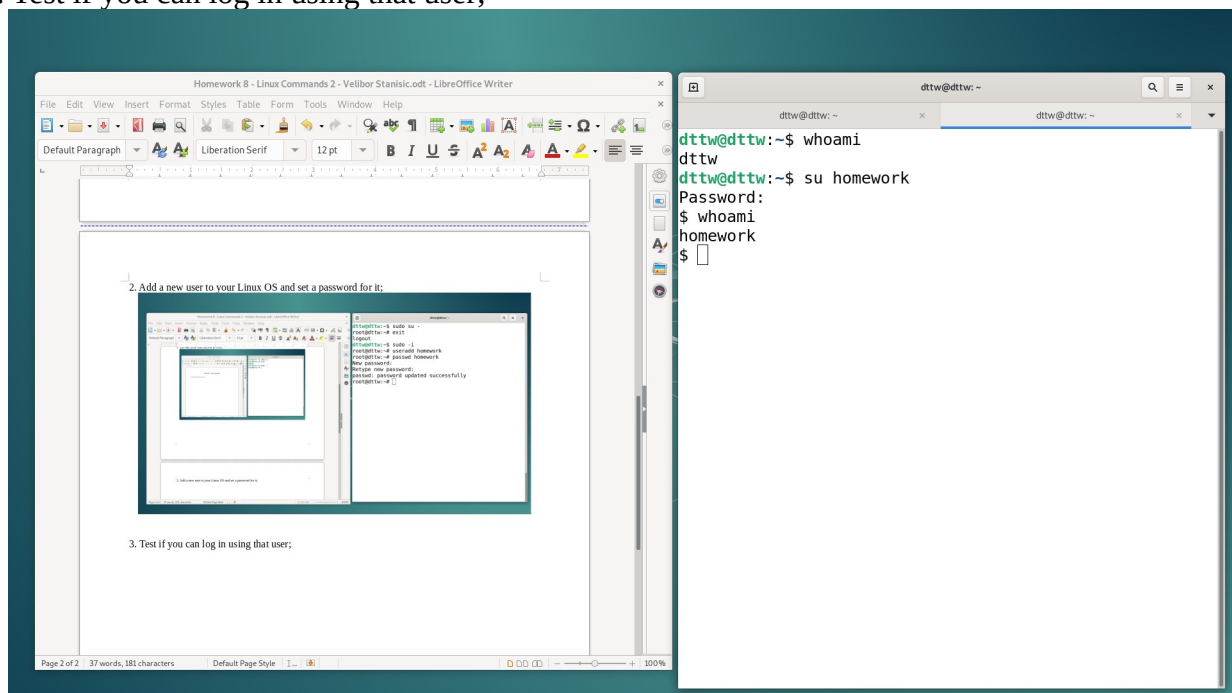
- ## 1. Elevate your user access to root;



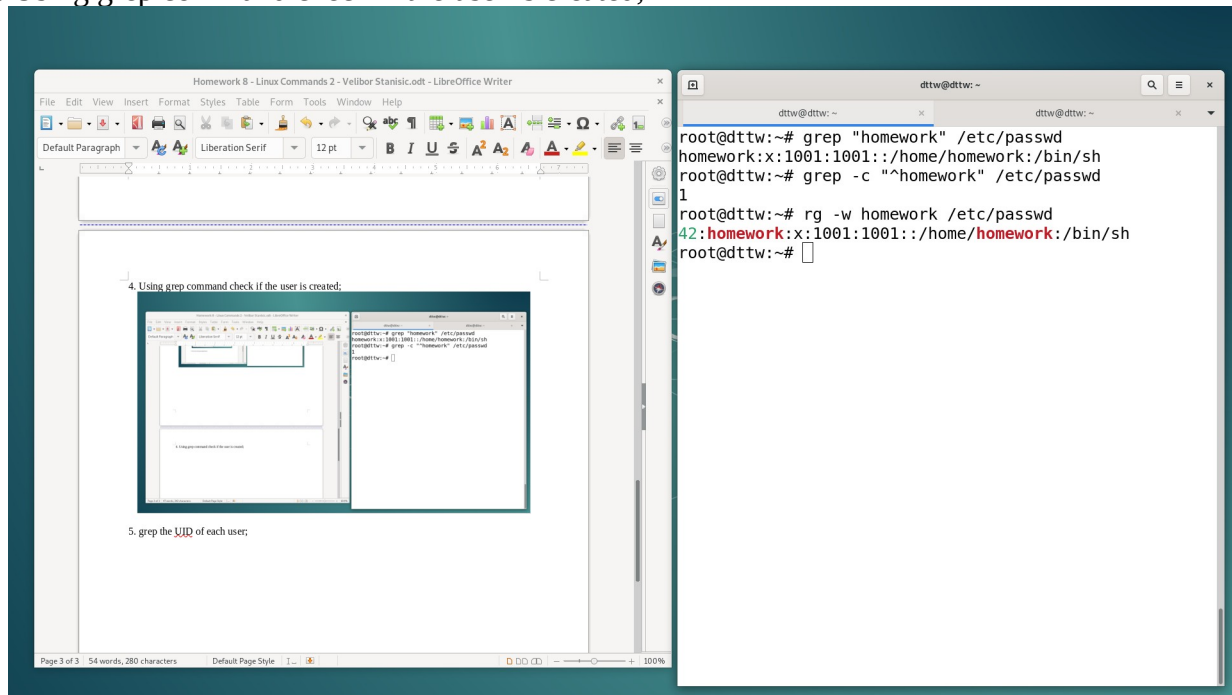
2. Add a new user to your Linux OS and set a password for it;



3. Test if you can log in using that user;



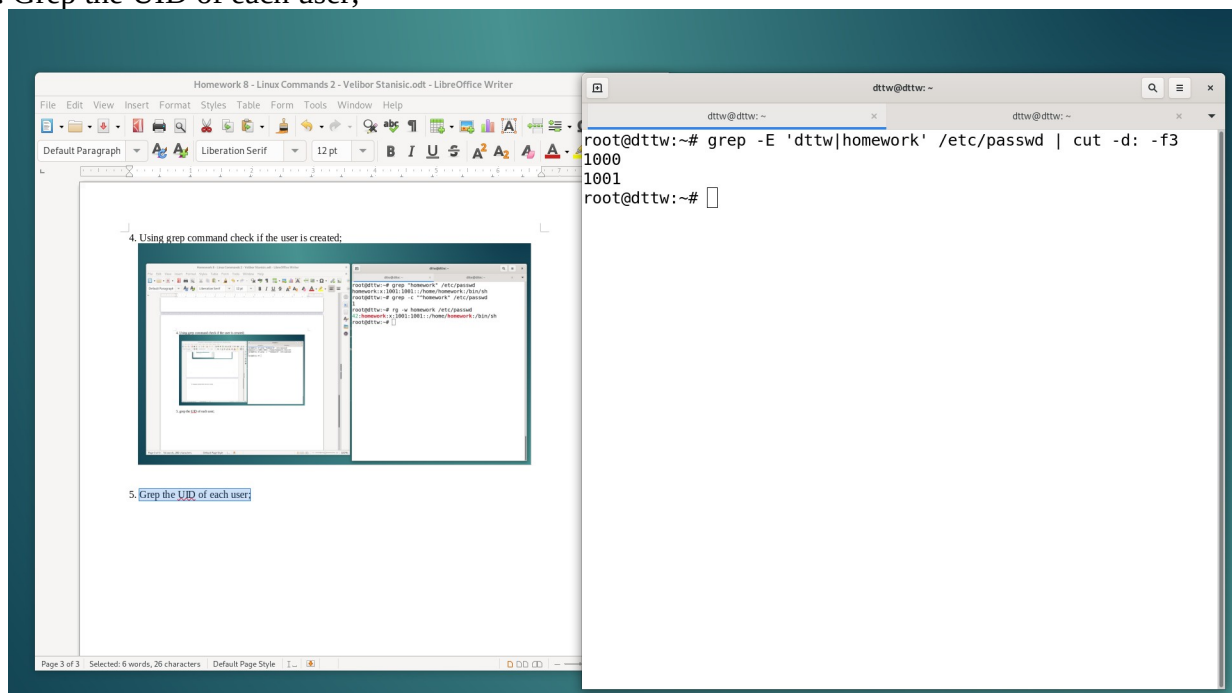
#### 4. Using grep command check if the user is created;



4. Using grep command check if the user is created;

```
root@dtw:~# grep "homework" /etc/passwd
homework:x:1001:1001::/home/homework:/bin/sh
root@dtw:~# grep -c "^homework" /etc/passwd
1
root@dtw:~# rg -w homework /etc/passwd
42:homework:x:1001:1001::/home/homework:/bin/sh
root@dtw:~#
```

#### 5. Grep the UID of each user;

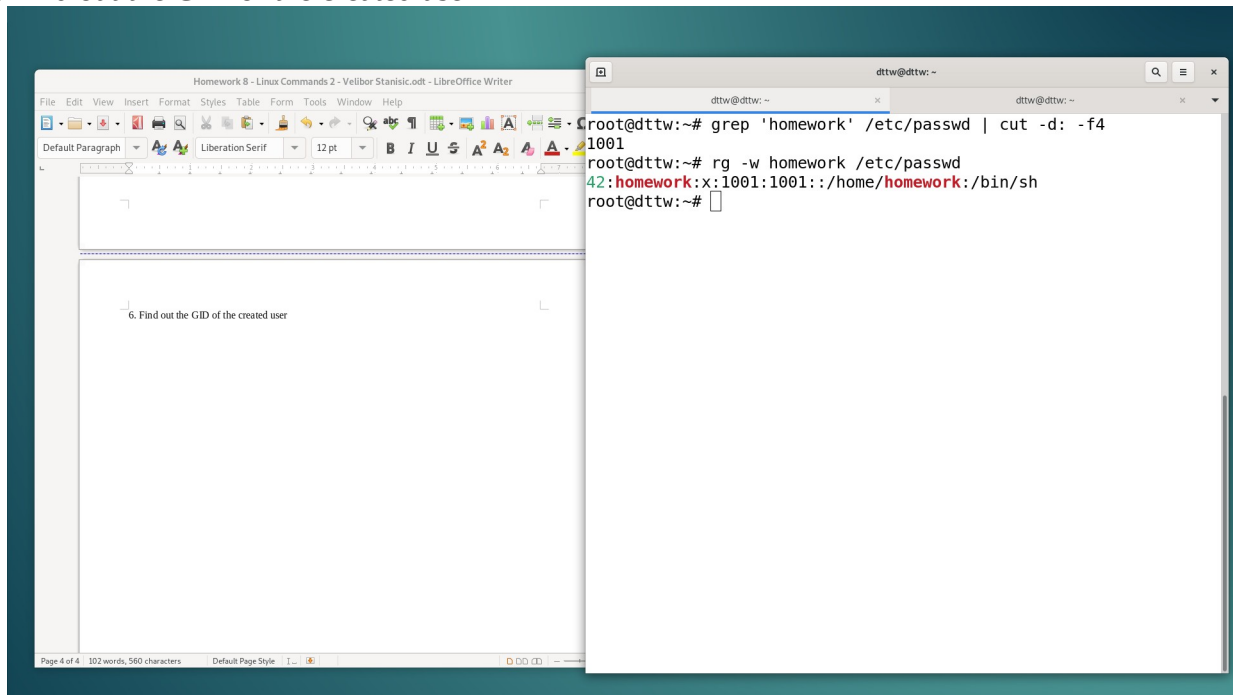


4. Using grep command check if the user is created;

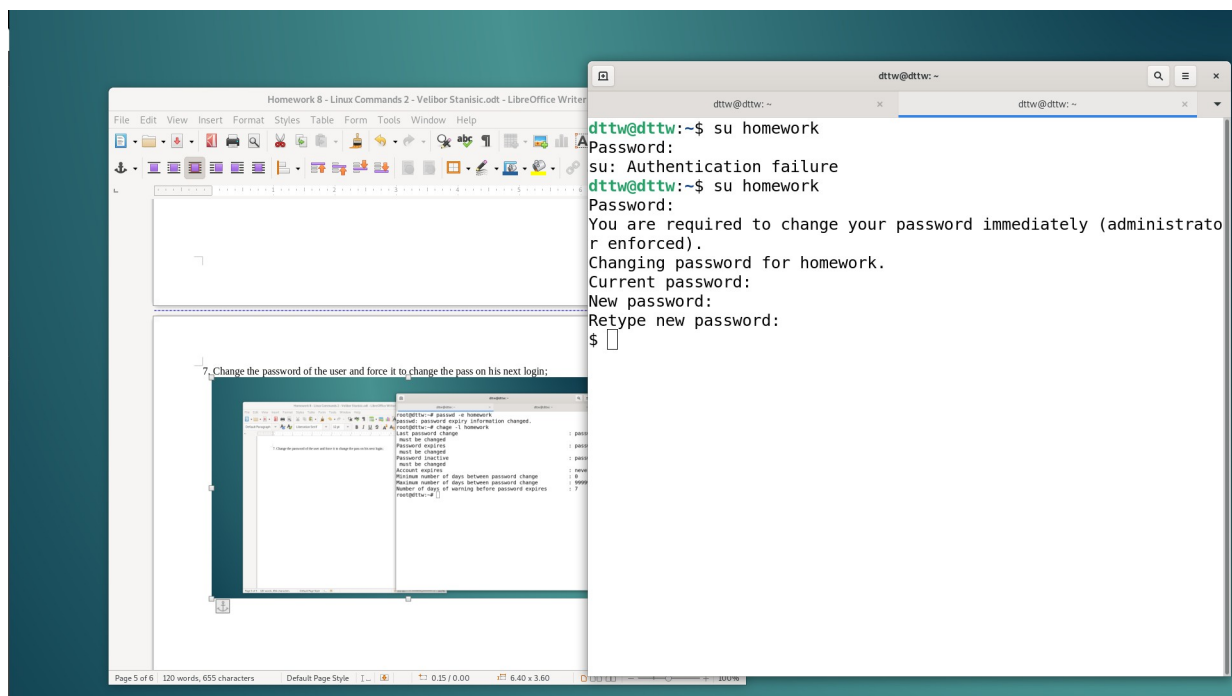
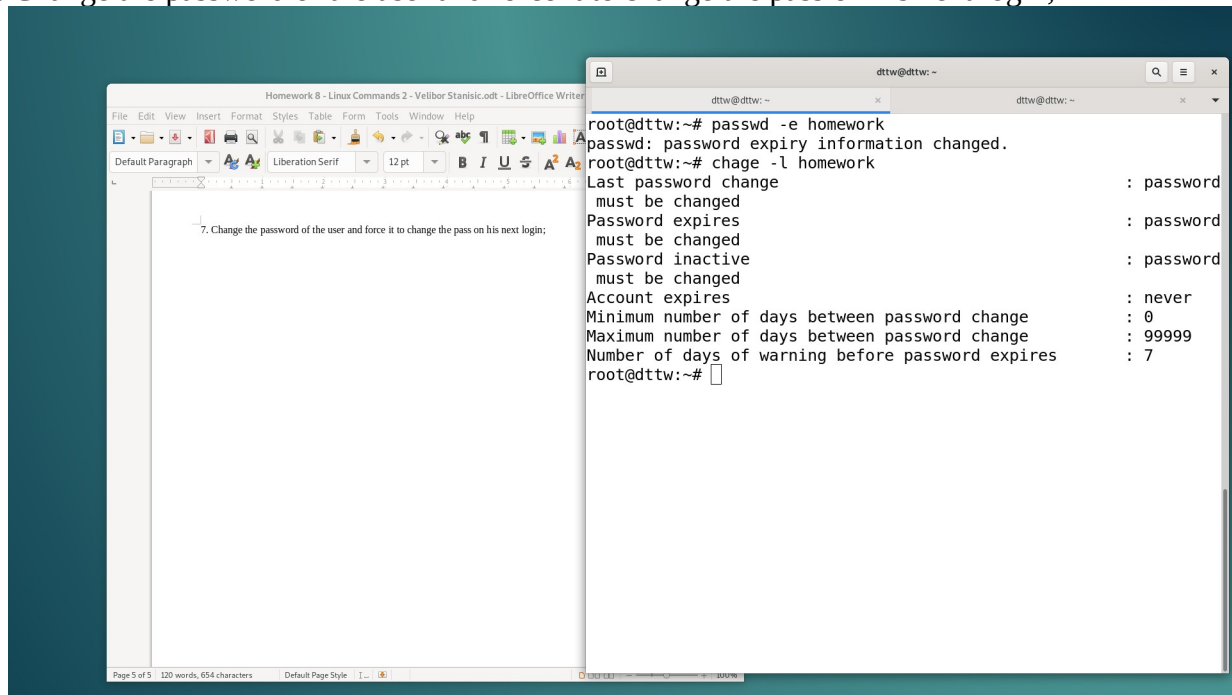
5. Grep the UID of each user

```
root@dtw:~# grep -E 'dtw|homework' /etc/passwd | cut -d: -f3
1000
1001
root@dtw:~#
```

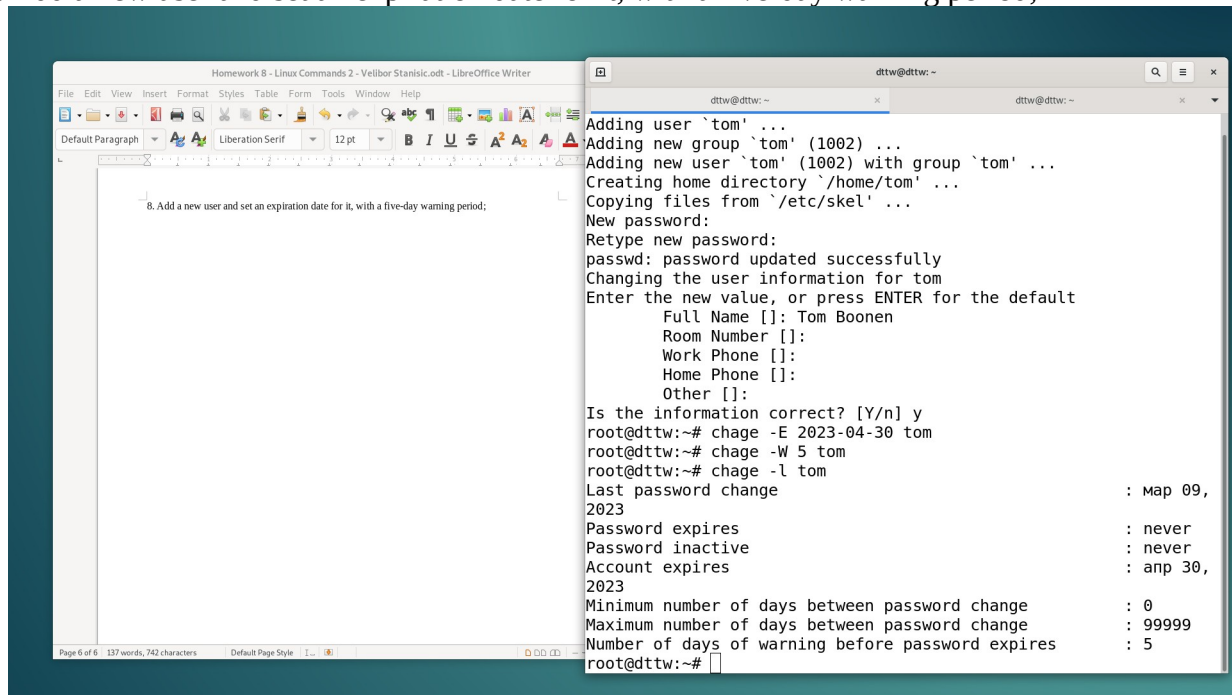
## 6. Find out the GID of the created user



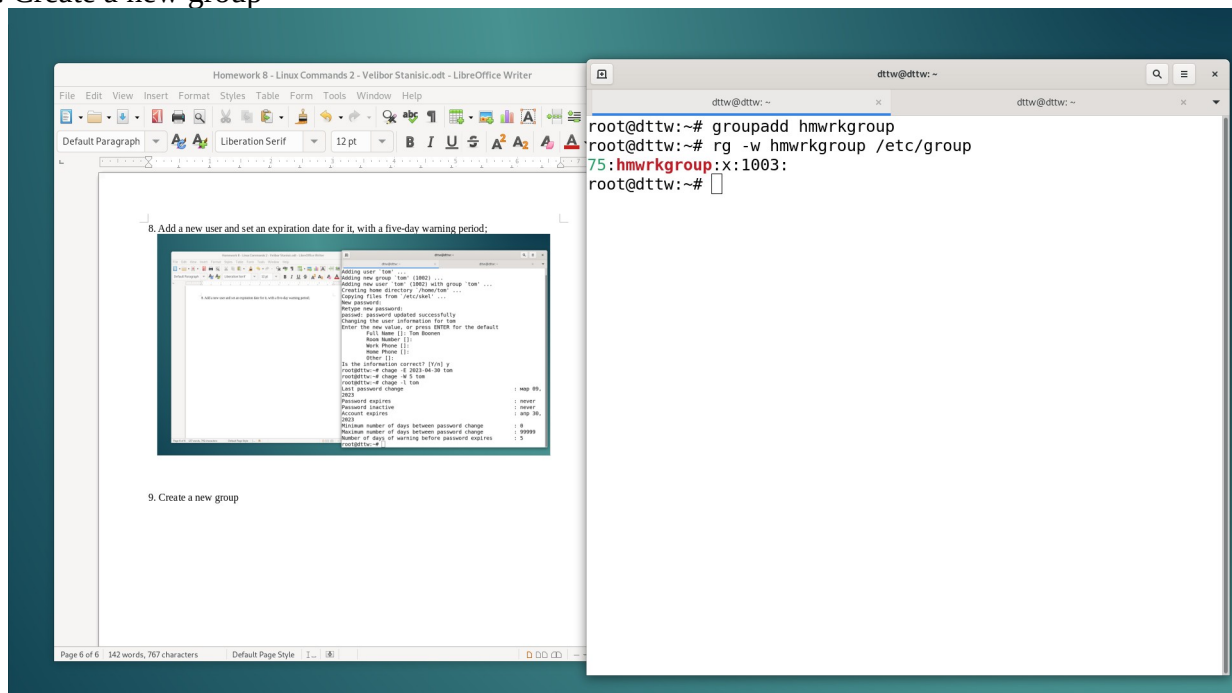
## 7. Change the password of the user and force it to change the pass on his next login;



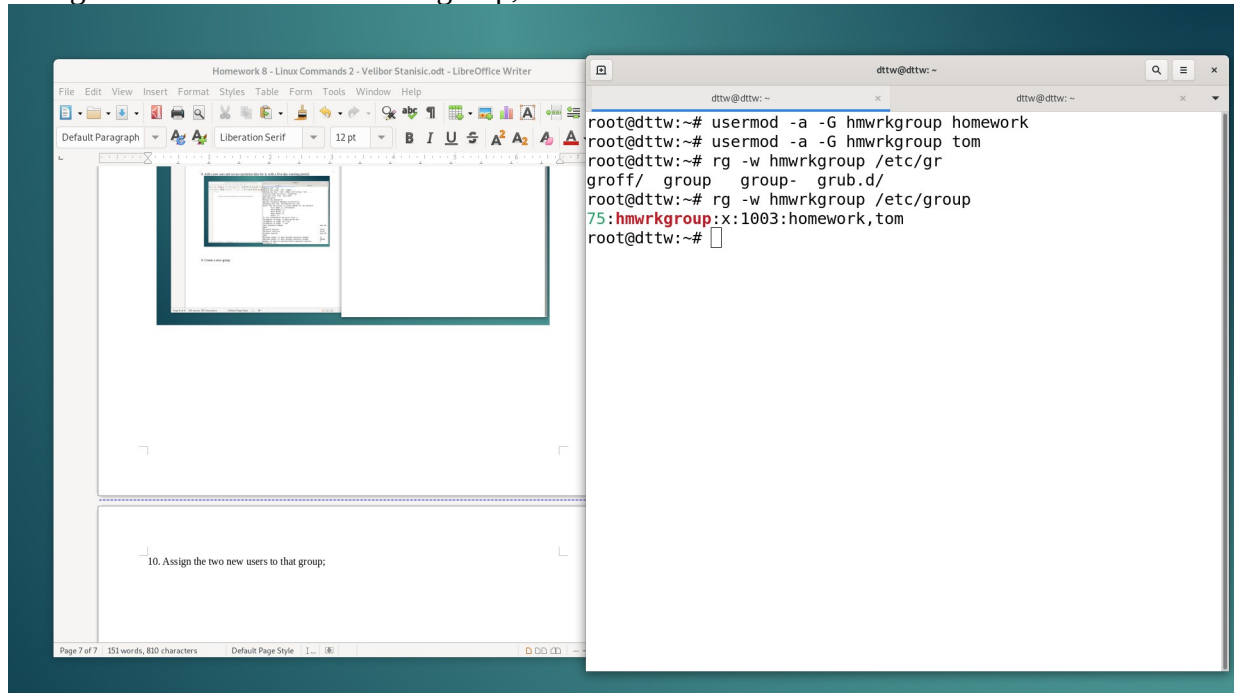
## 8. Add a new user and set an expiration date for it, with a five-day warning period;



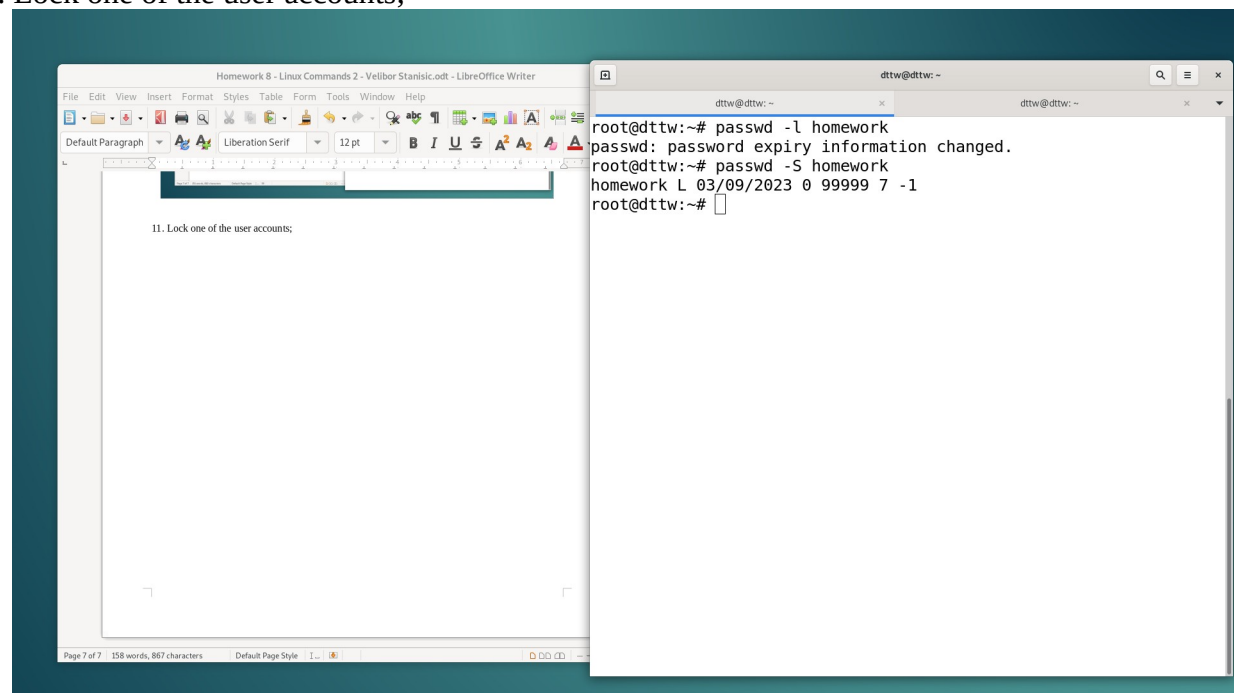
## 9. Create a new group



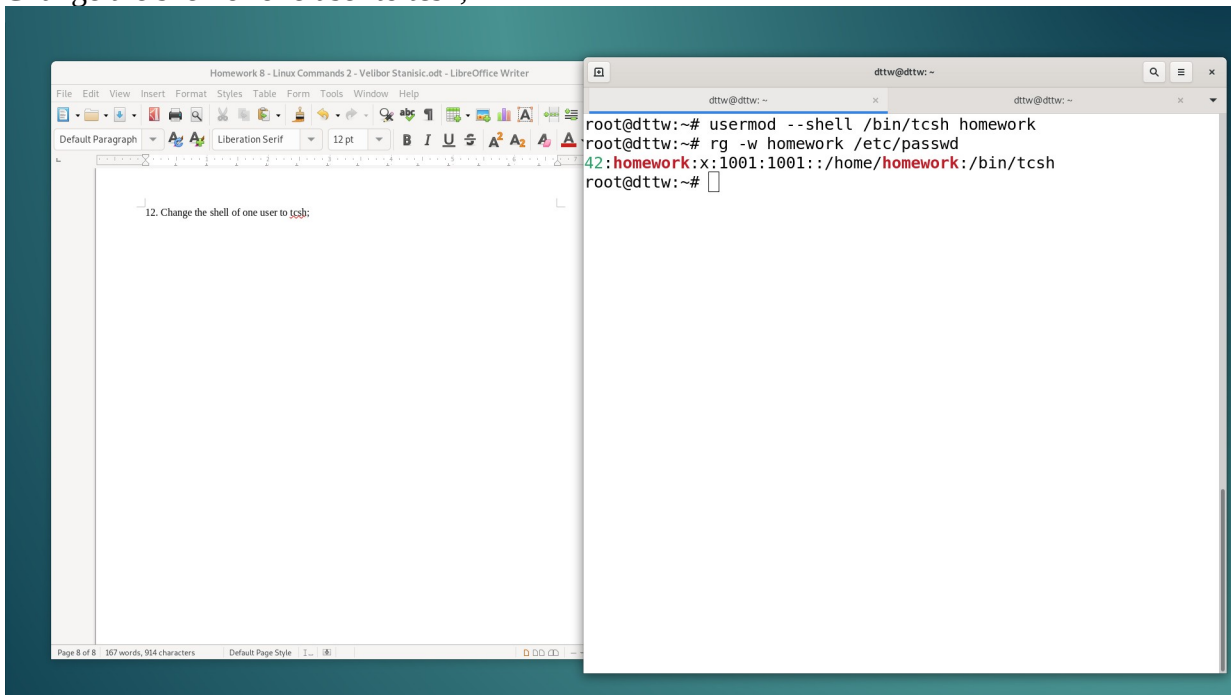
10. Assign the two new users to that group;



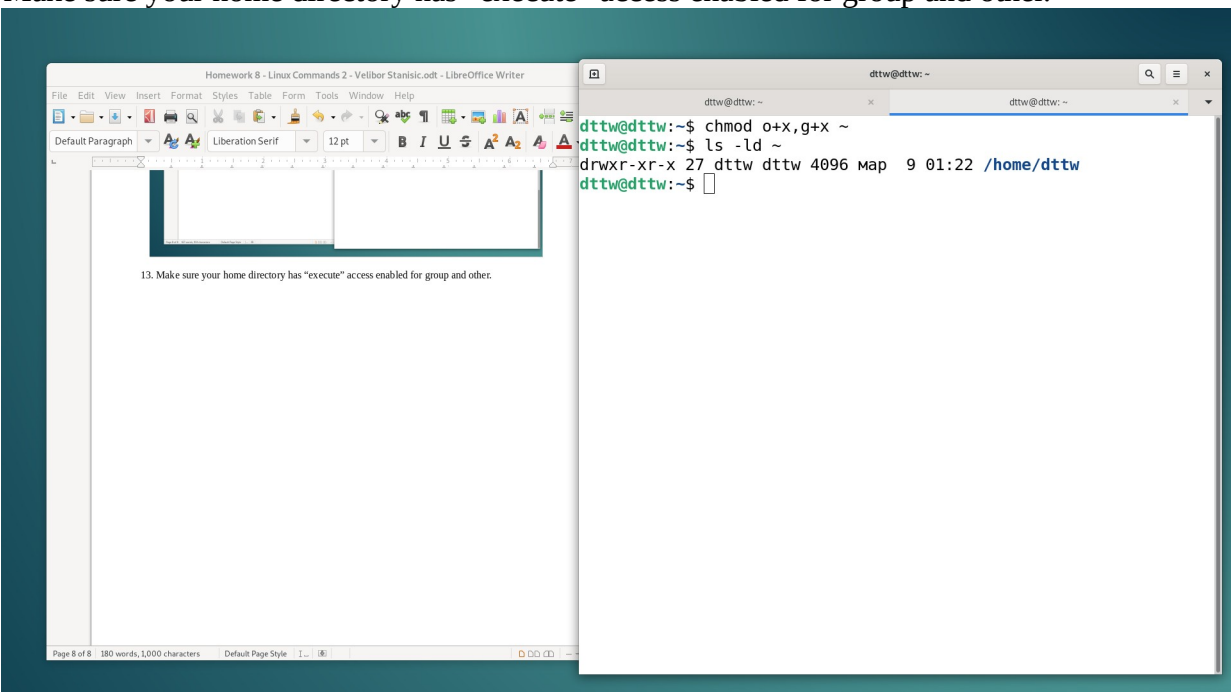
11. Lock one of the user accounts;



## 12. Change the shell of one user to tcsh;

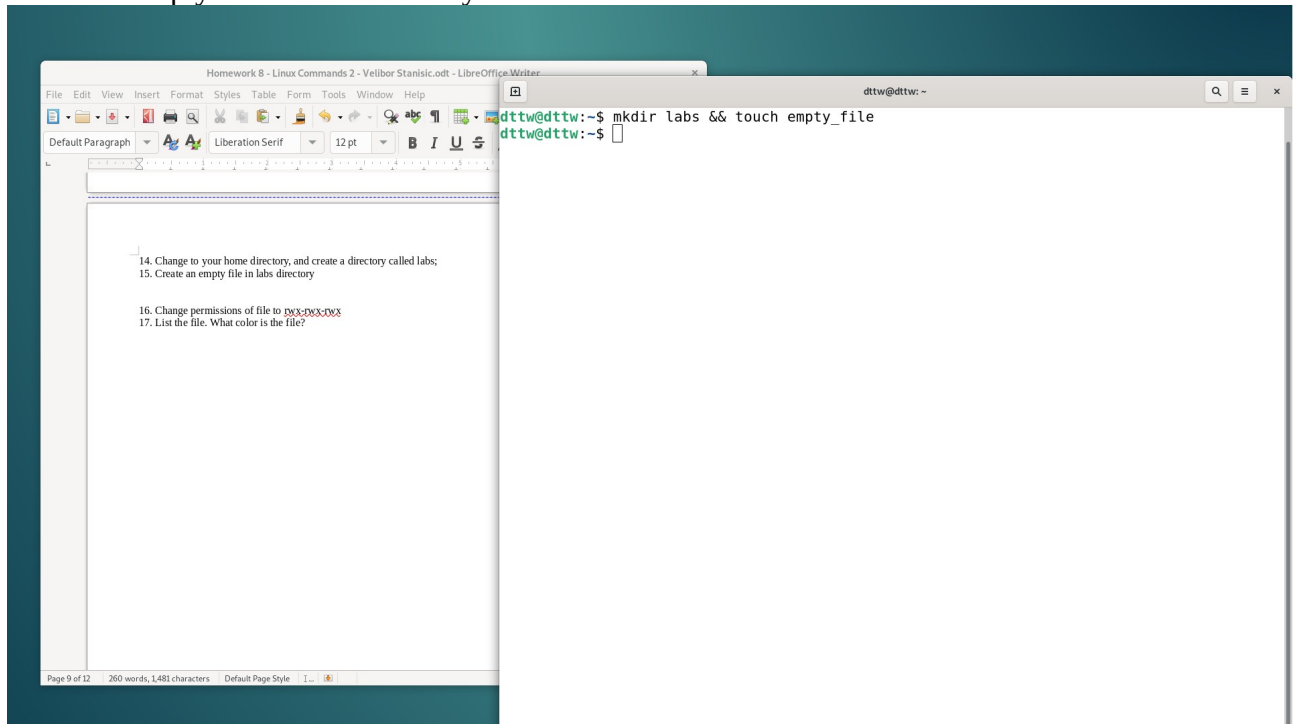


## 13. Make sure your home directory has “execute” access enabled for group and other.

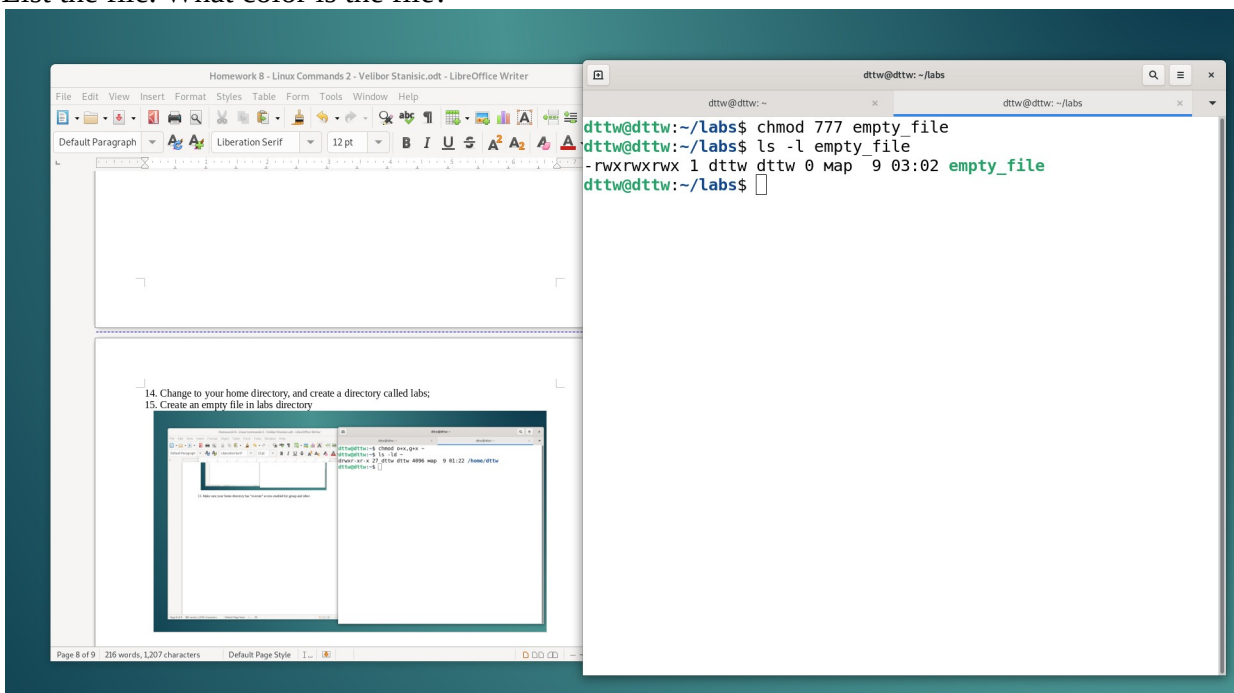




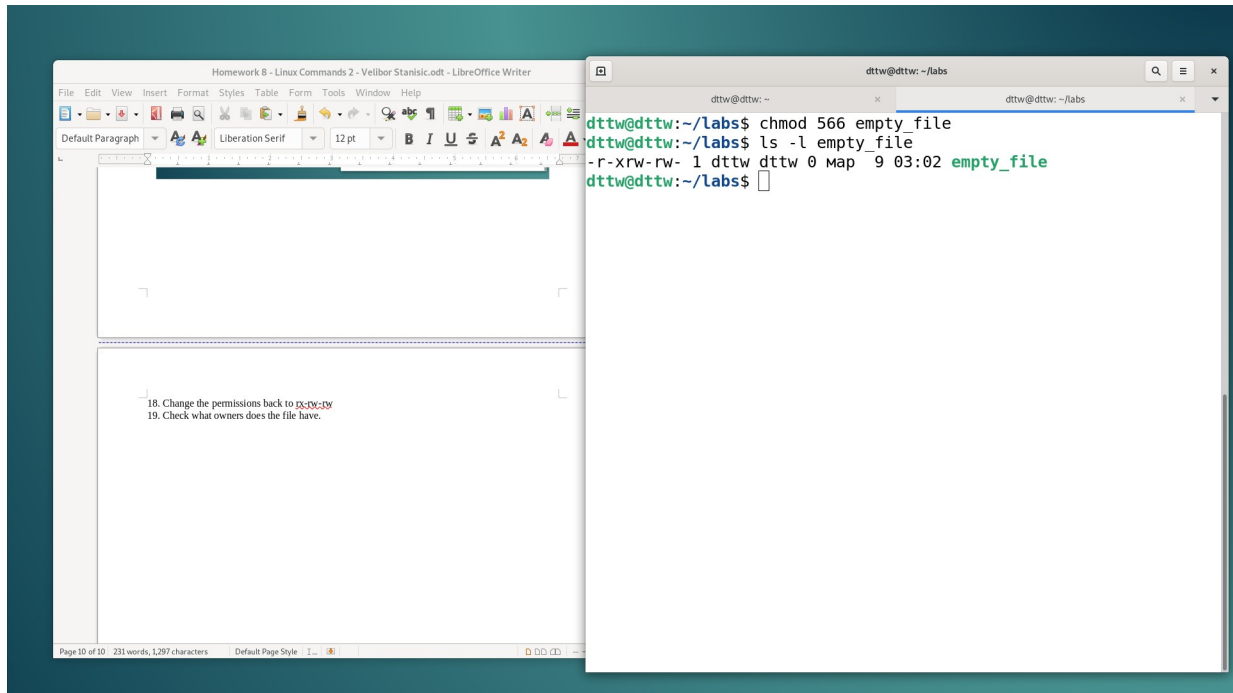
14. Change to your home directory, and create a directory called labs;
15. Create an empty file in labs directory



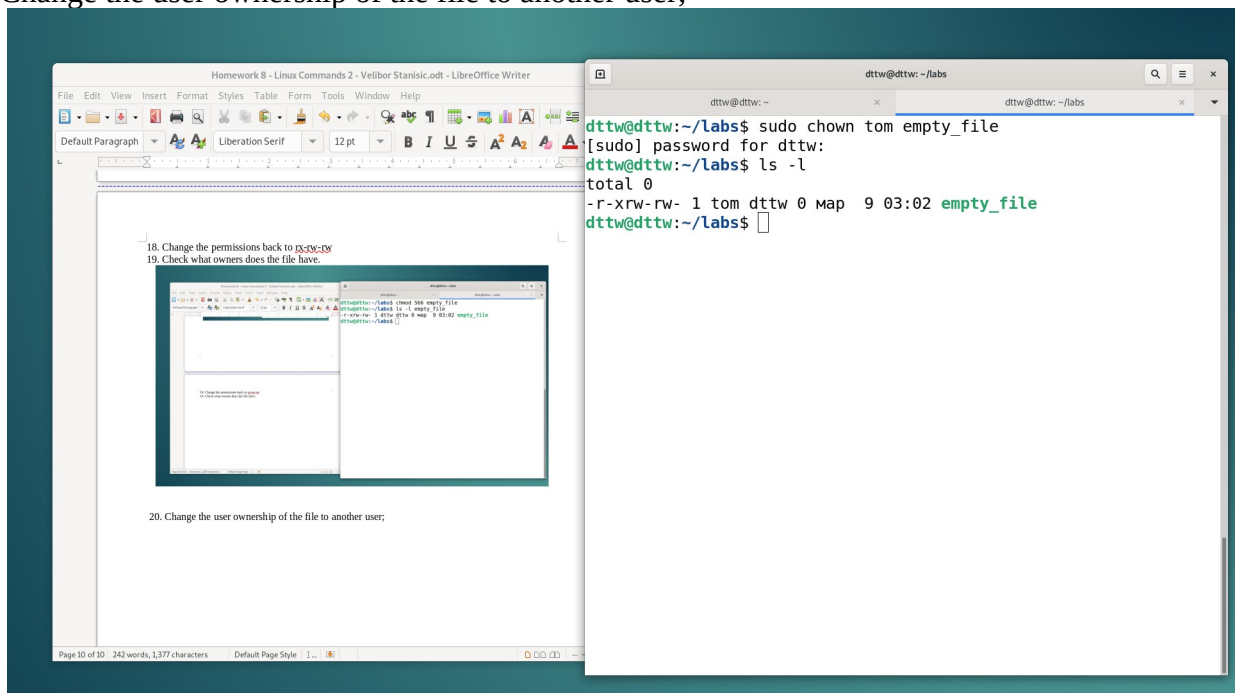
16. Change permissions of file to rwx-rwx-rwx
17. List the file. What color is the file?



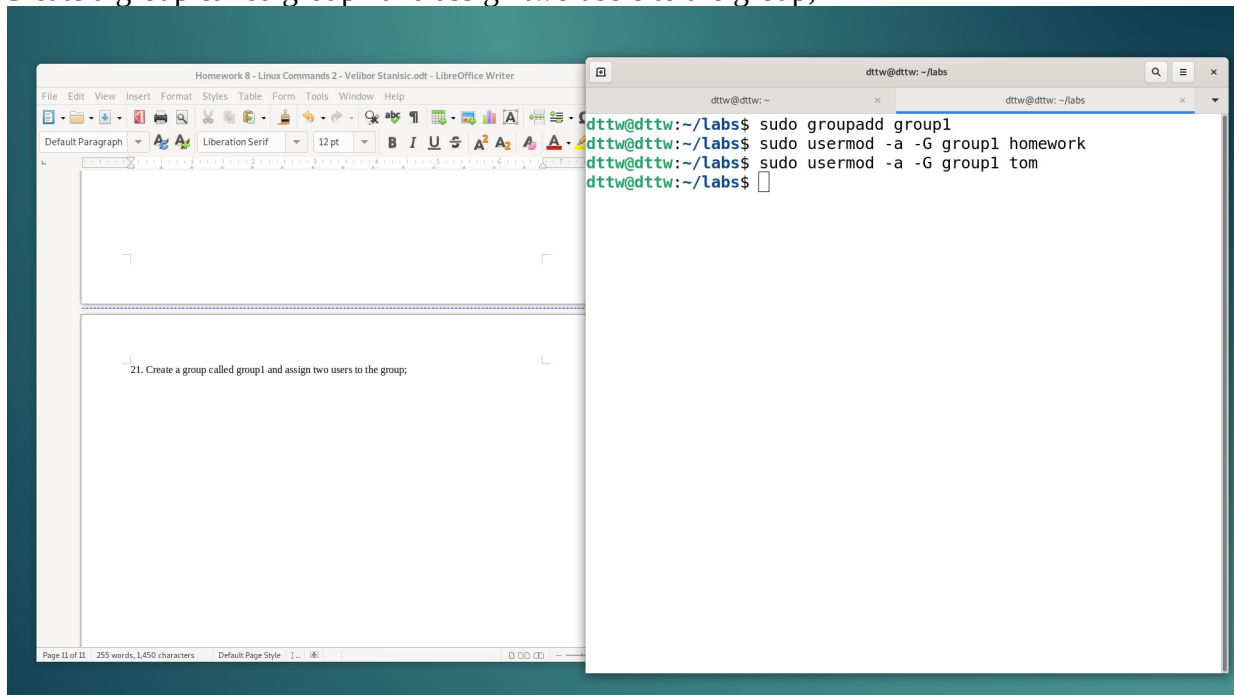
18. Change the permissions back to rx-rw-rw
19. Check what owners does the file have.



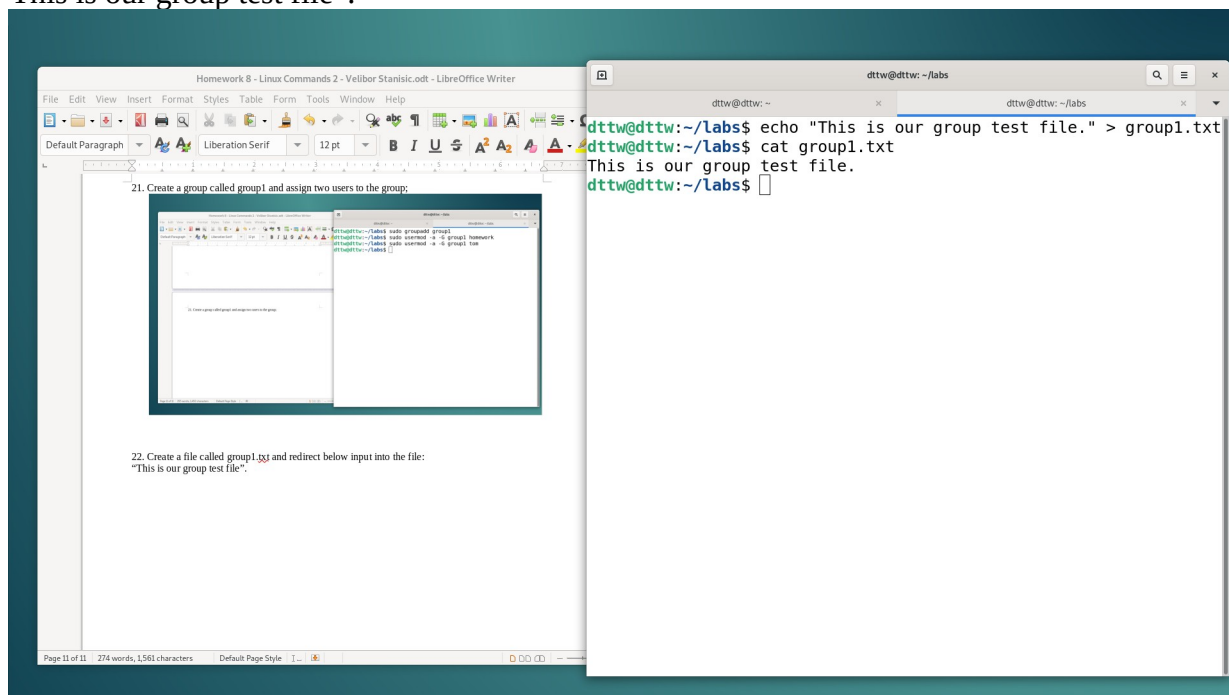
20. Change the user ownership of the file to another user;



21. Create a group called group1 and assign two users to the group;



22. Create a file called group1.txt and redirect below input into the file:  
"This is our group test file".



23. Change the group of the file to one of your users;
24. Give members of the group group1 read/write access to this file

