

# LAB 2 for Operating System

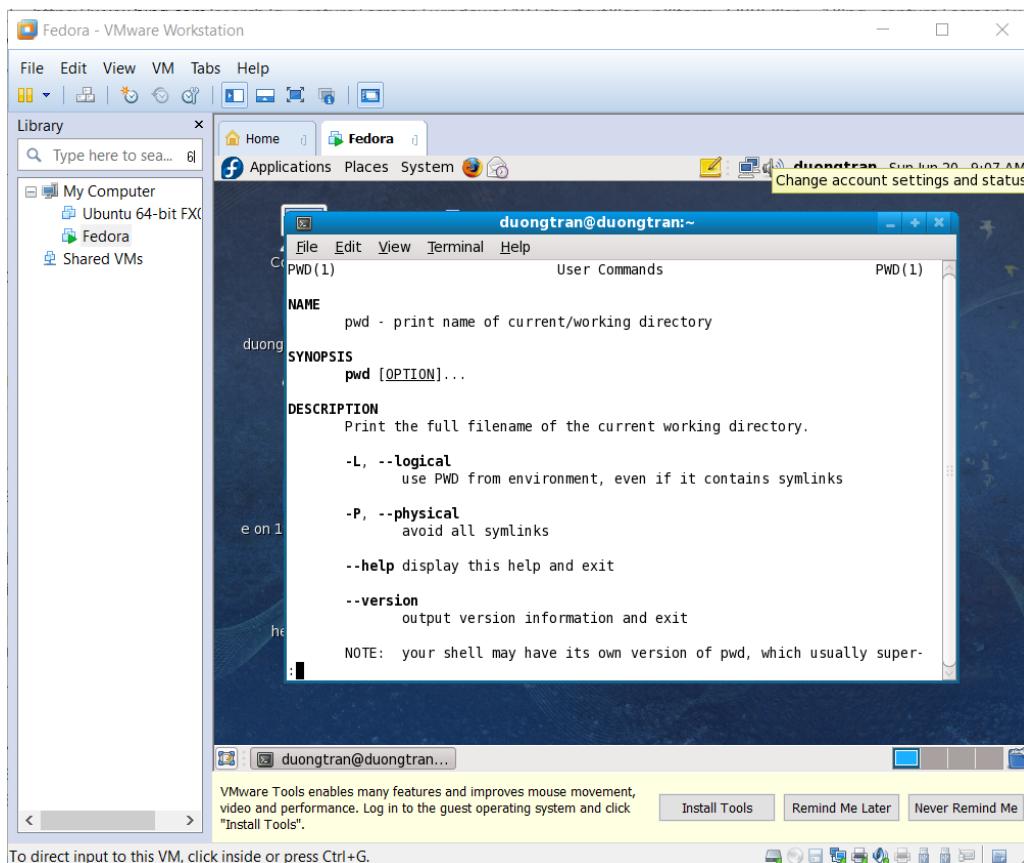
**Name:** TRẦN THANH DƯƠNG

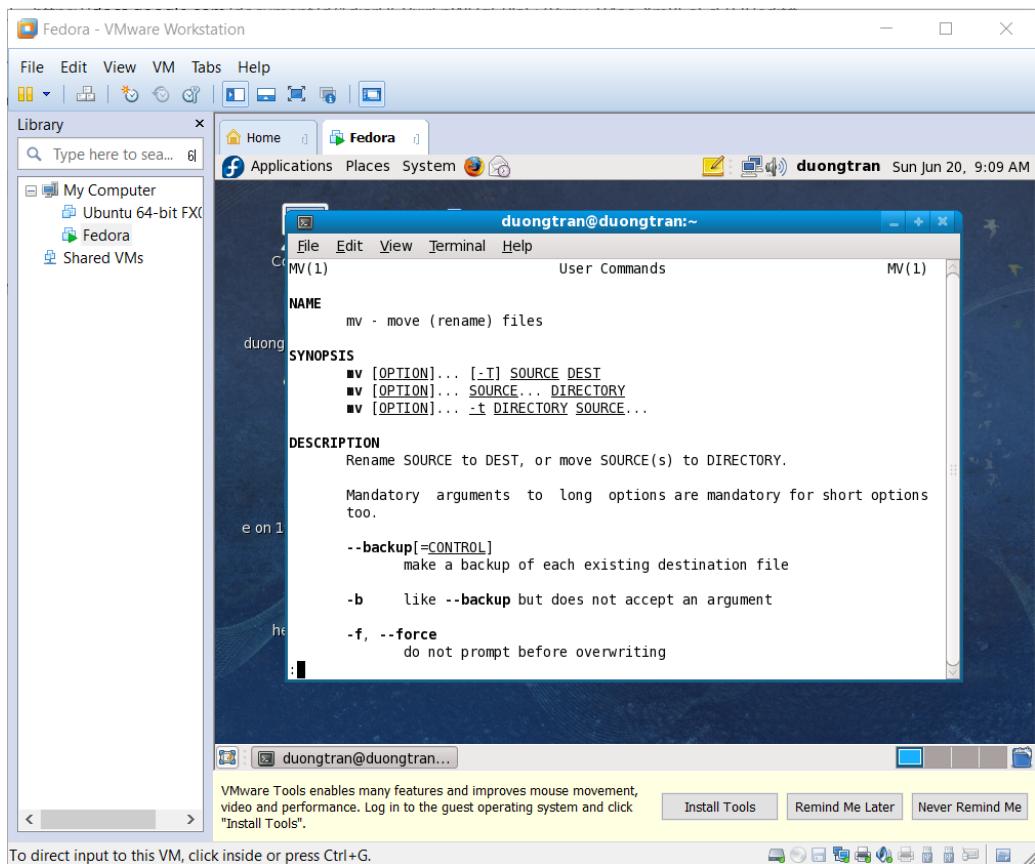
**Code:** SE160185

**Class:** AI1601

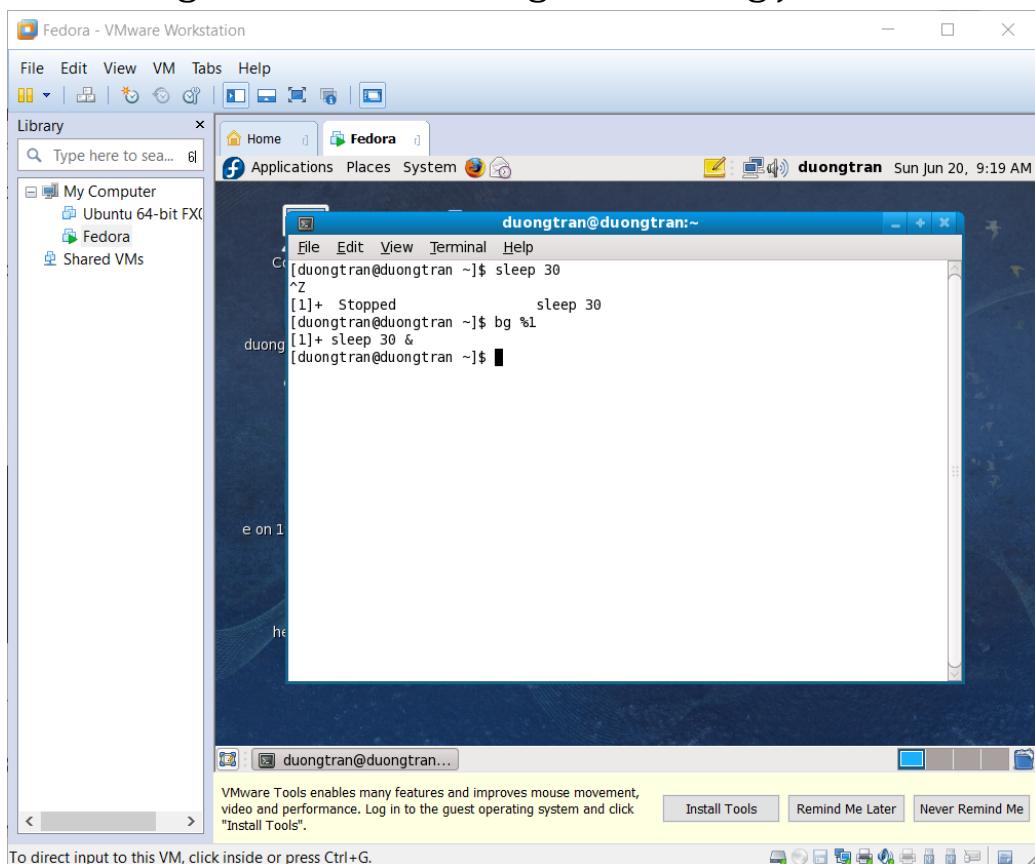
## Present the content of manipulating of some command

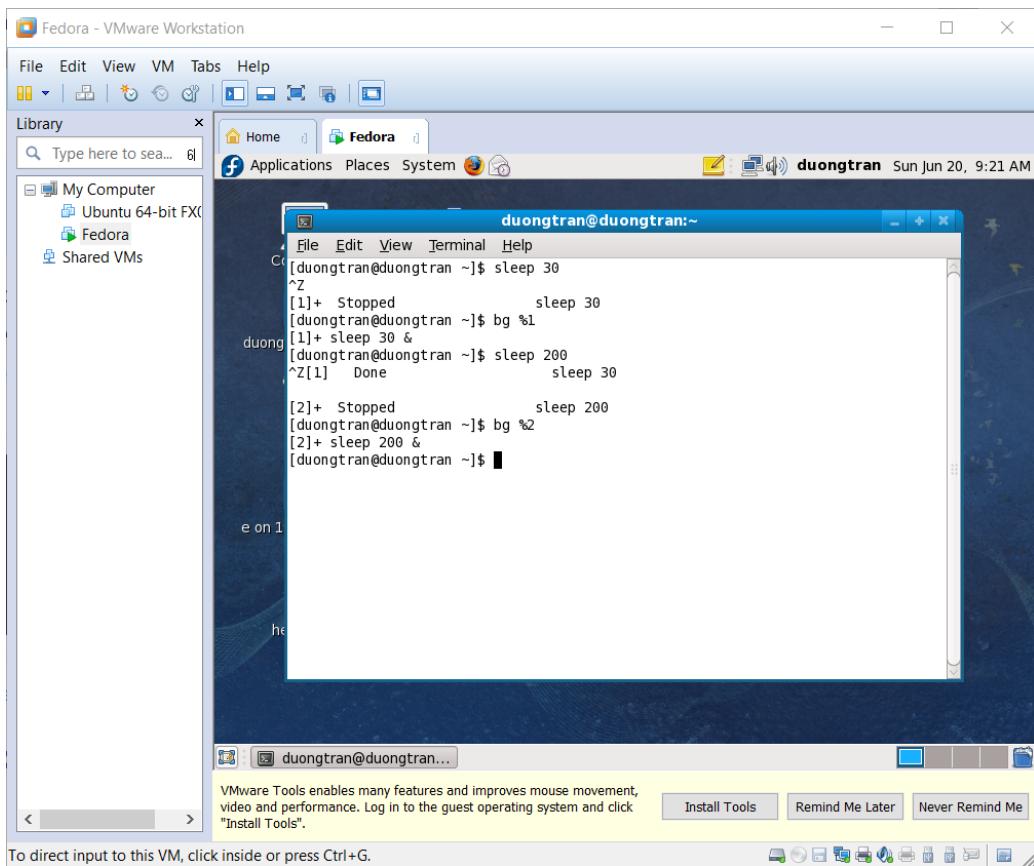
- **man:** is used to display the user manual of any command that we can run on the terminal



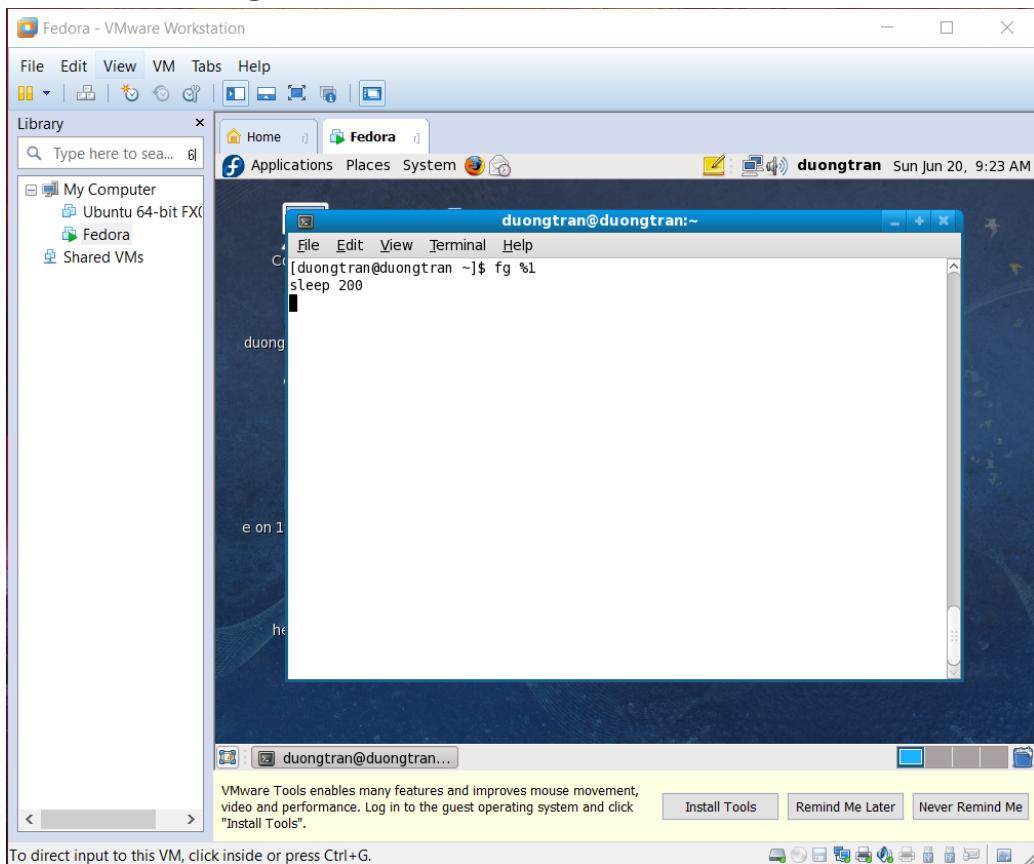


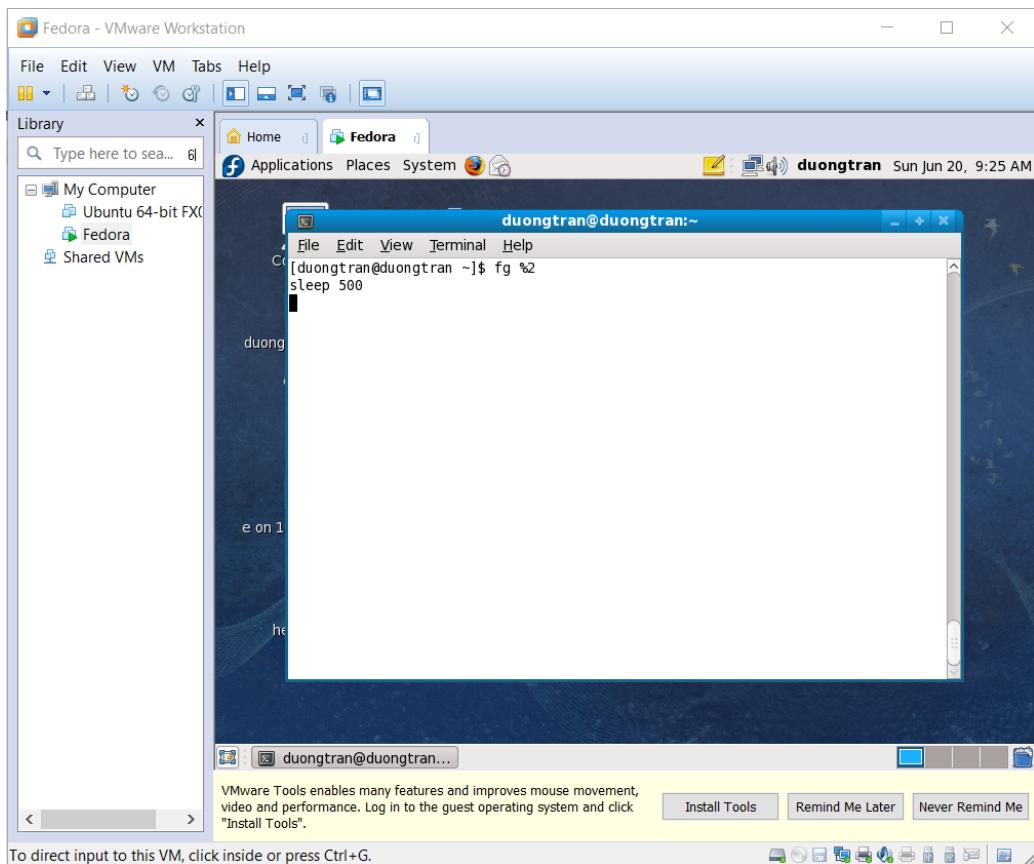
- **bg:** to send a service, which is working in the foreground, to the background using job control.



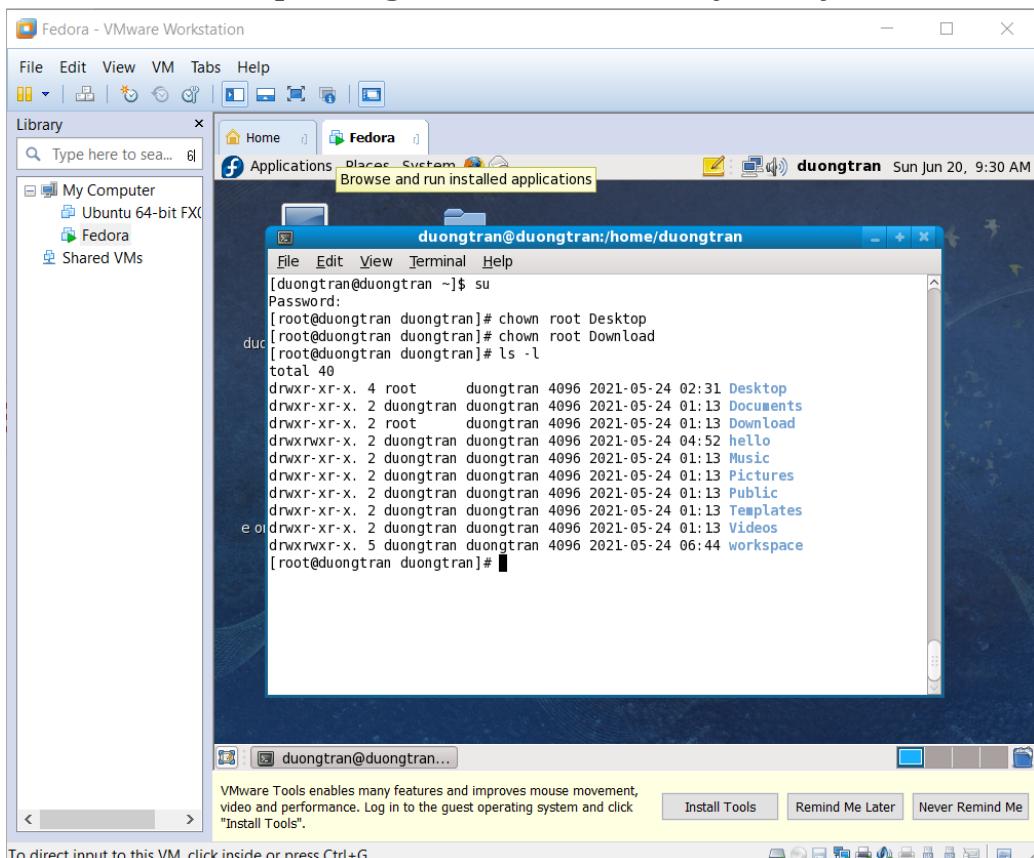


- **fg:** is a command that moves a background process to the foreground.

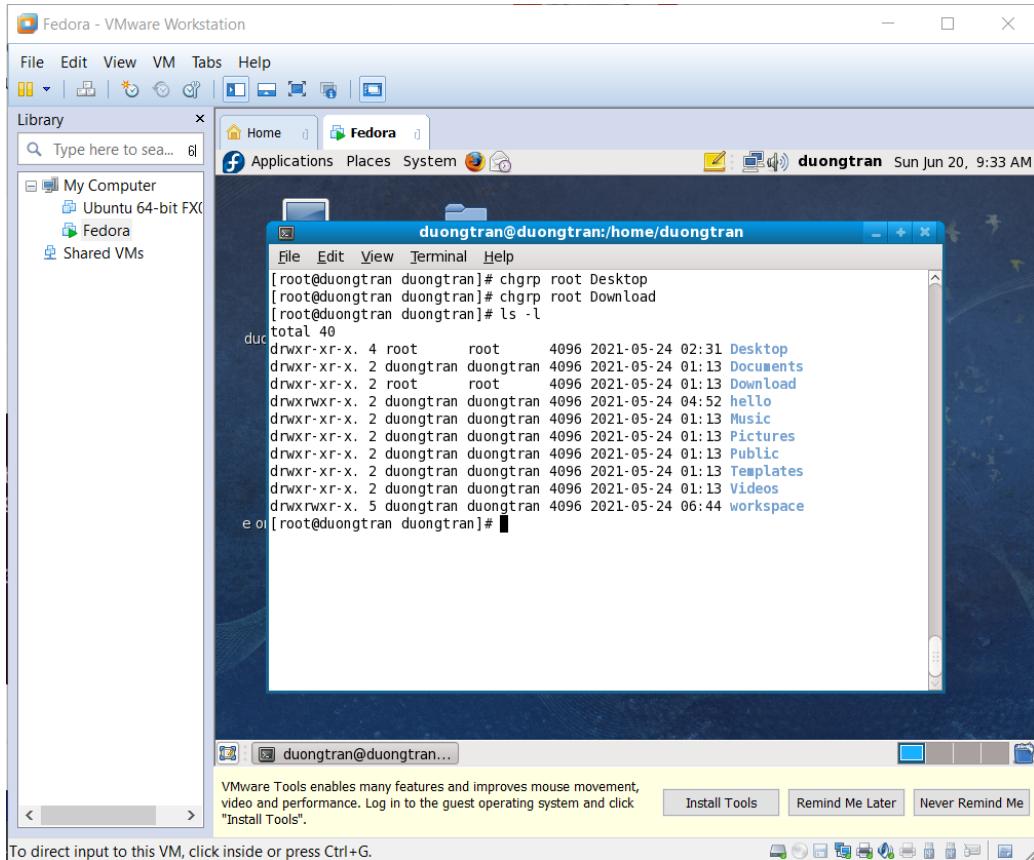




- **chown:** allows you to change the user and/or group ownership of a given file, directory, or symbolic link.



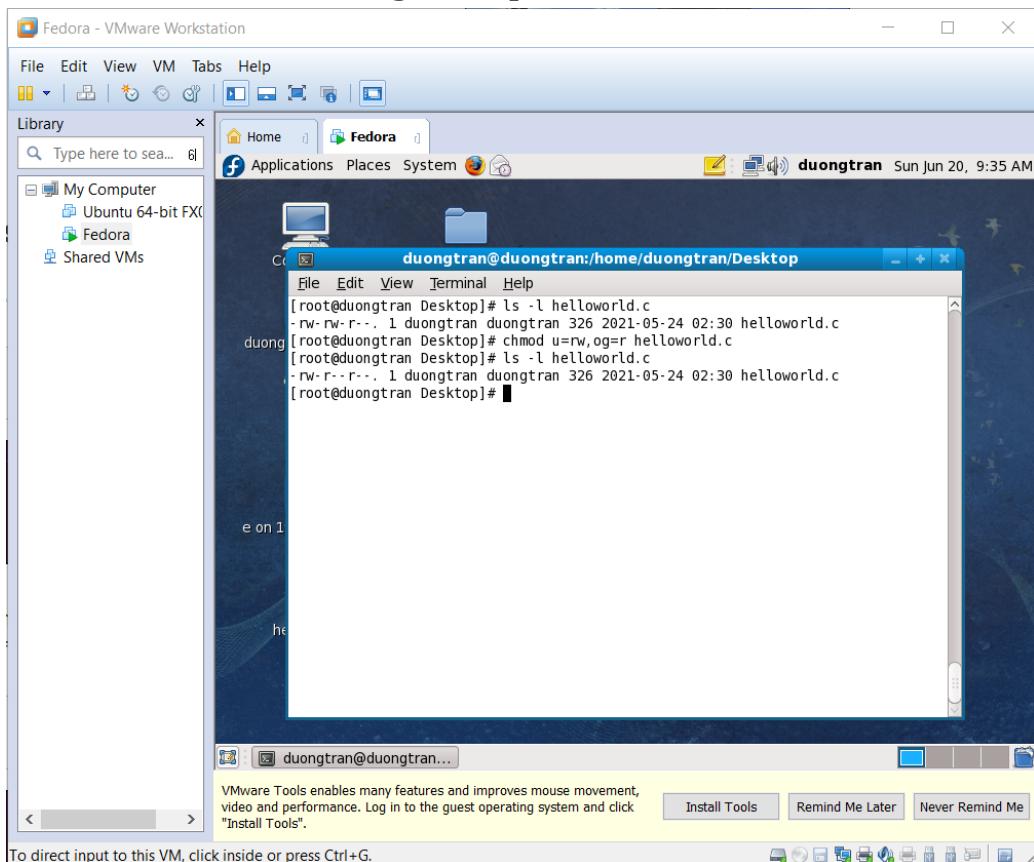
- **chgrp:** To change the group ownership of a file or directory



The screenshot shows a Fedora desktop environment within a VMware Workstation window. A terminal window titled 'duongtran@duongtran:home/duongtran' is open, displaying the following commands and output:

```
[root@duongtran duongtran]# chgrp root Desktop
[root@duongtran duongtran]# chgrp root Download
[root@duongtran duongtran]# ls -l
total 40
drwxr-xr-x. 4 root      root      4096 2021-05-24 02:31 Desktop
drwxr-xr-x. 2 duongtran duongtran 4096 2021-05-24 01:13 Documents
drwxr-xr-x. 2 root      root      4096 2021-05-24 01:13 Download
drwxrwxr-x. 2 duongtran duongtran 4096 2021-05-24 04:52 hello
drwxr-xr-x. 2 duongtran duongtran 4096 2021-05-24 01:13 Music
drwxr-xr-x. 2 duongtran duongtran 4096 2021-05-24 01:13 Pictures
drwxr-xr-x. 2 duongtran duongtran 4096 2021-05-24 01:13 Public
drwxr-xr-x. 2 duongtran duongtran 4096 2021-05-24 01:13 Templates
drwxr-xr-x. 2 duongtran duongtran 4096 2021-05-24 01:13 Videos
drwxrwxr-x. 5 duongtran duongtran 4096 2021-05-24 06:44 workspace
e o [root@duongtran duongtran]#
```

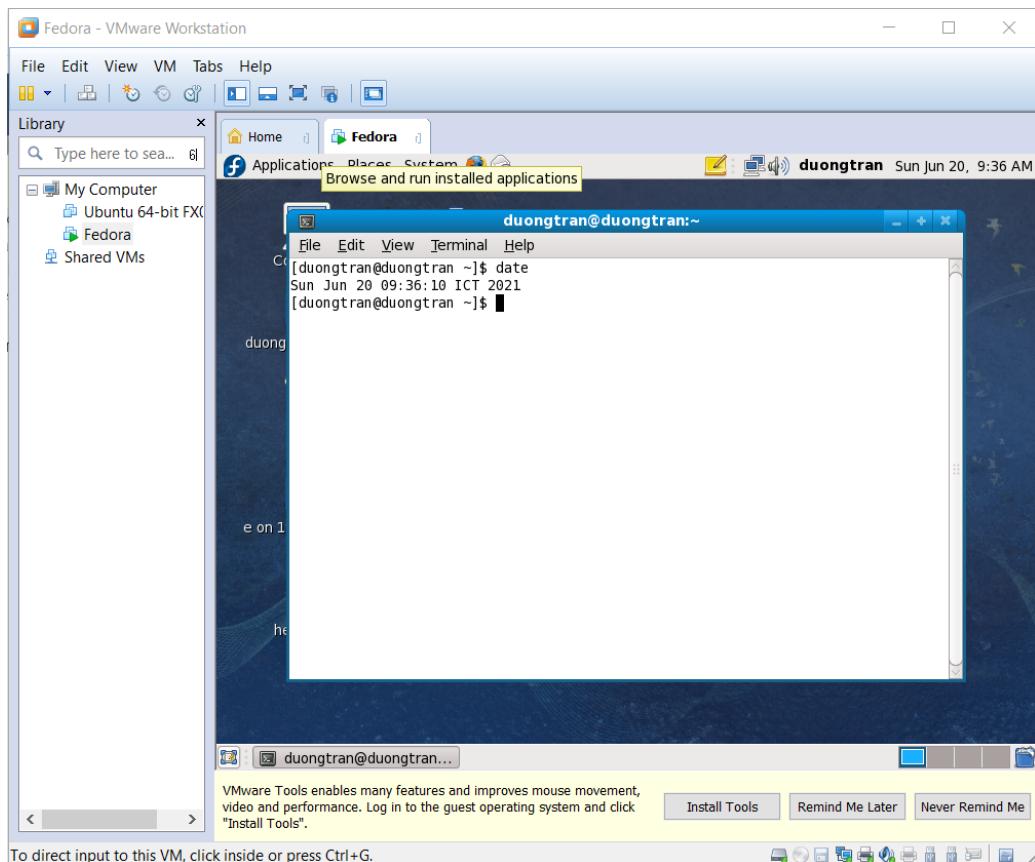
- **chmod:** to change the permission on a file or directory



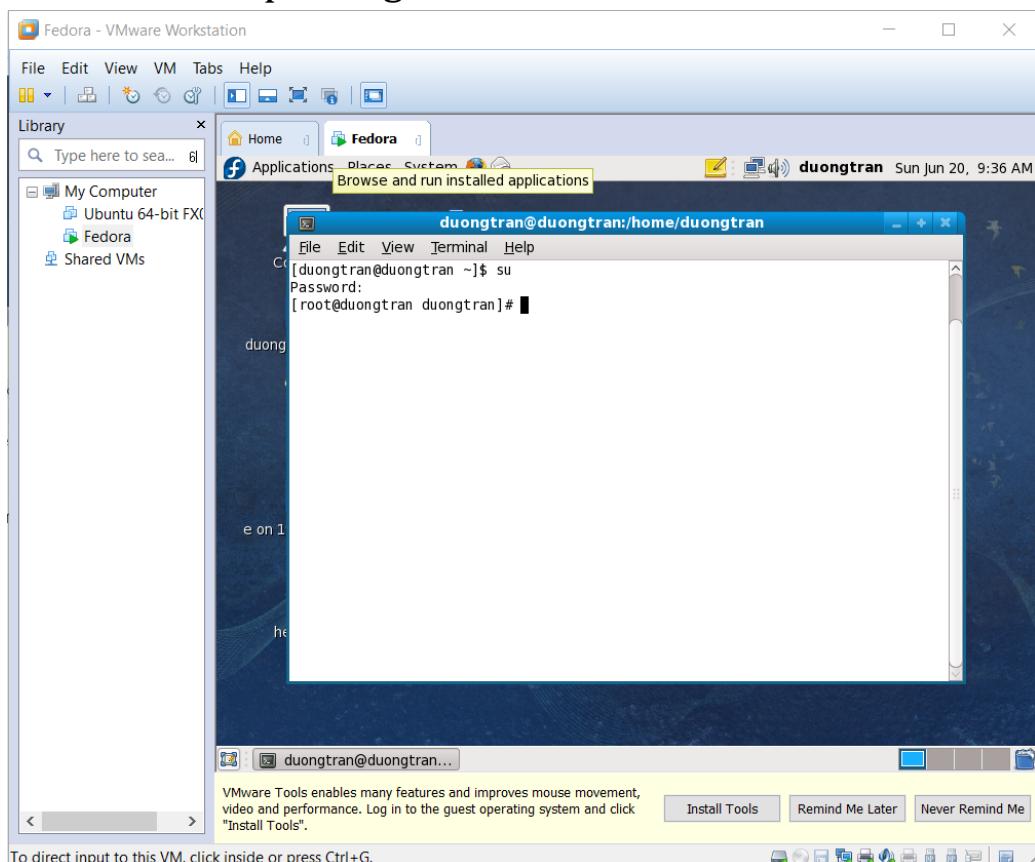
The screenshot shows a Fedora desktop environment within a VMware Workstation window. A terminal window titled 'duongtran@duongtran:home/duongtran/Desktop' is open, displaying the following commands and output:

```
[root@duongtran Desktop]# ls -l helloworld.c
-rw-r--r--. 1 duongtran duongtran 326 2021-05-24 02:30 helloworld.c
[root@duongtran Desktop]# chmod u=rw,og=r helloworld.c
[root@duongtran Desktop]# ls -l helloworld.c
-rw-r--r--. 1 duongtran duongtran 326 2021-05-24 02:30 helloworld.c
[root@duongtran Desktop]#
```

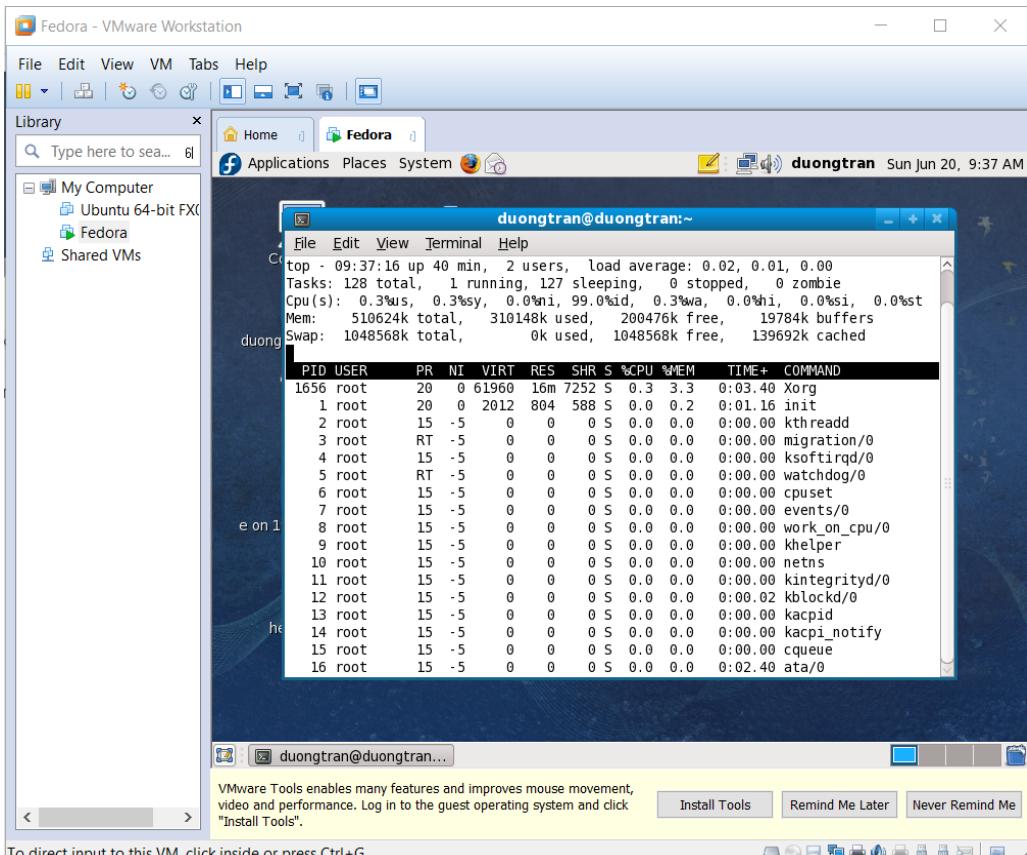
- **date:** displays or sets the system date



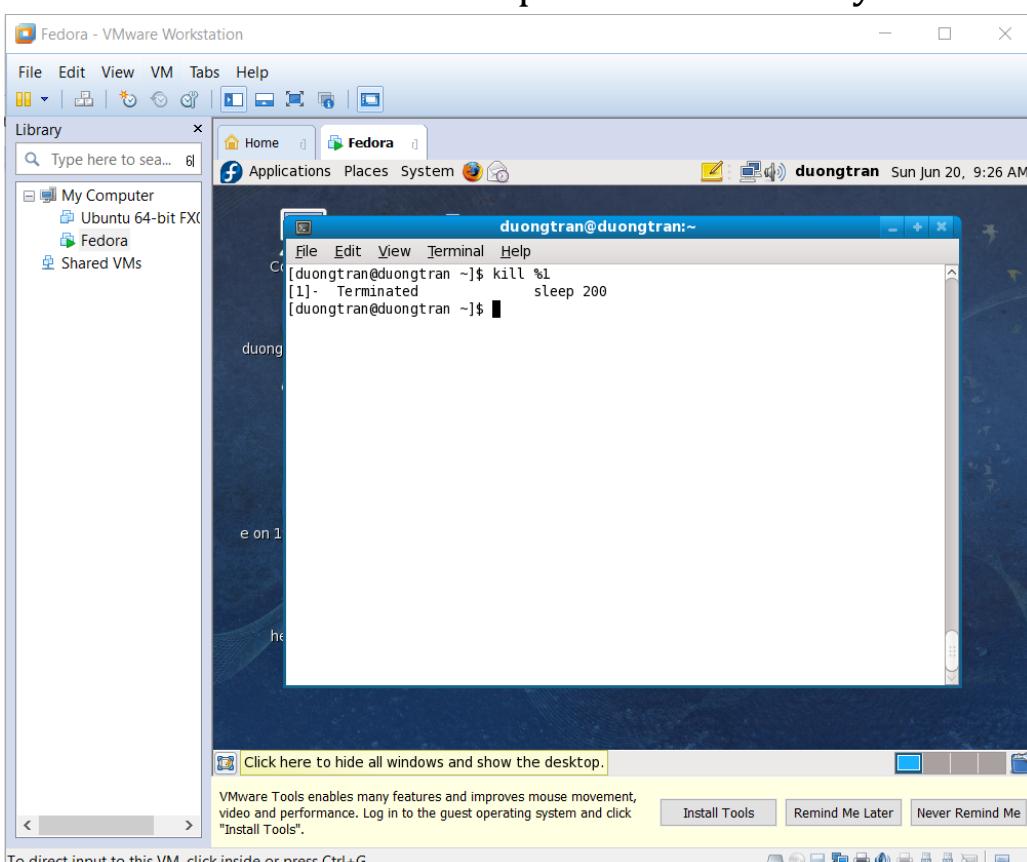
- **su:** is used by a computer user to execute commands with the privileges of another user account.



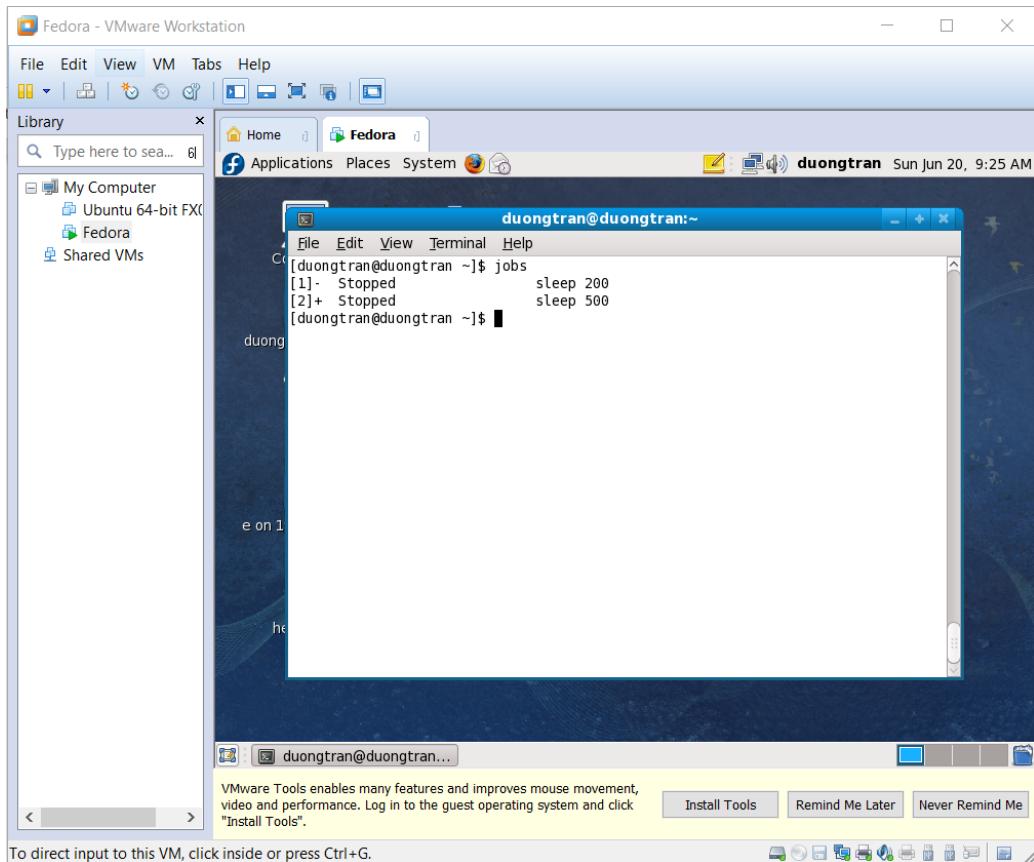
- **top:** shows the running processes within your environment that consume the most system resources.



- **kill:** used to terminate processes manually.

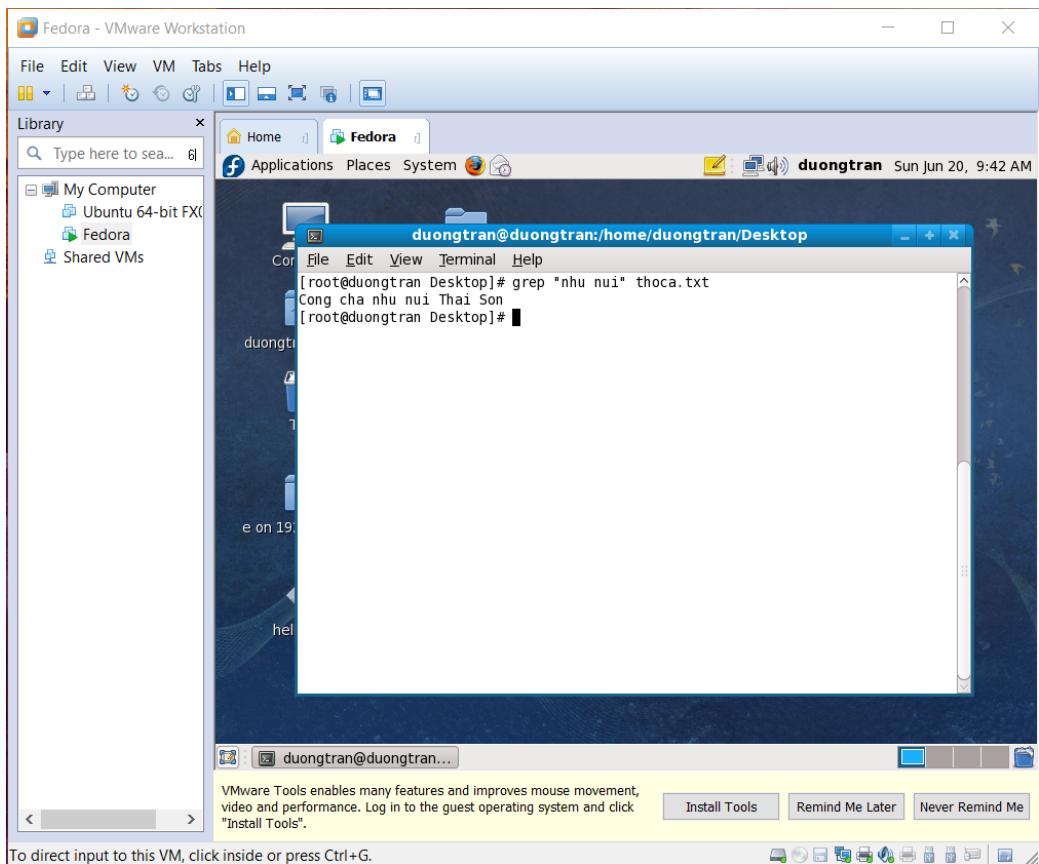


- **jobs:** allows the user to directly interact with processes in the current shell.

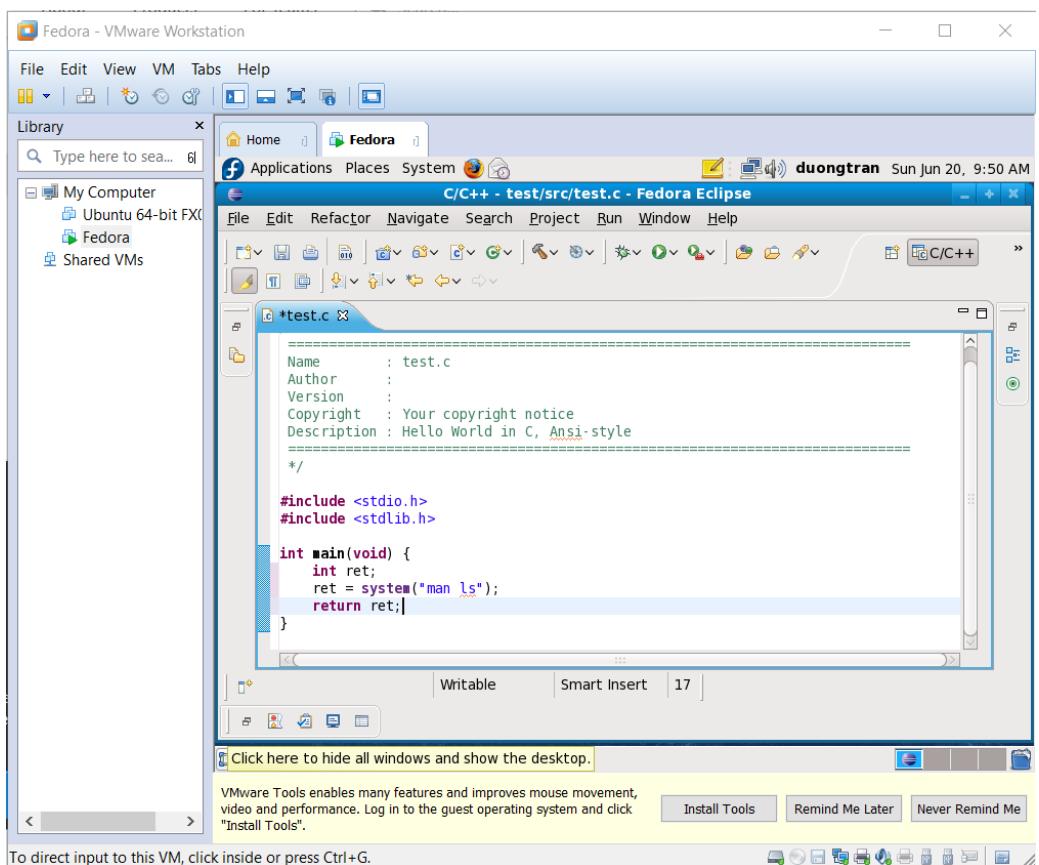


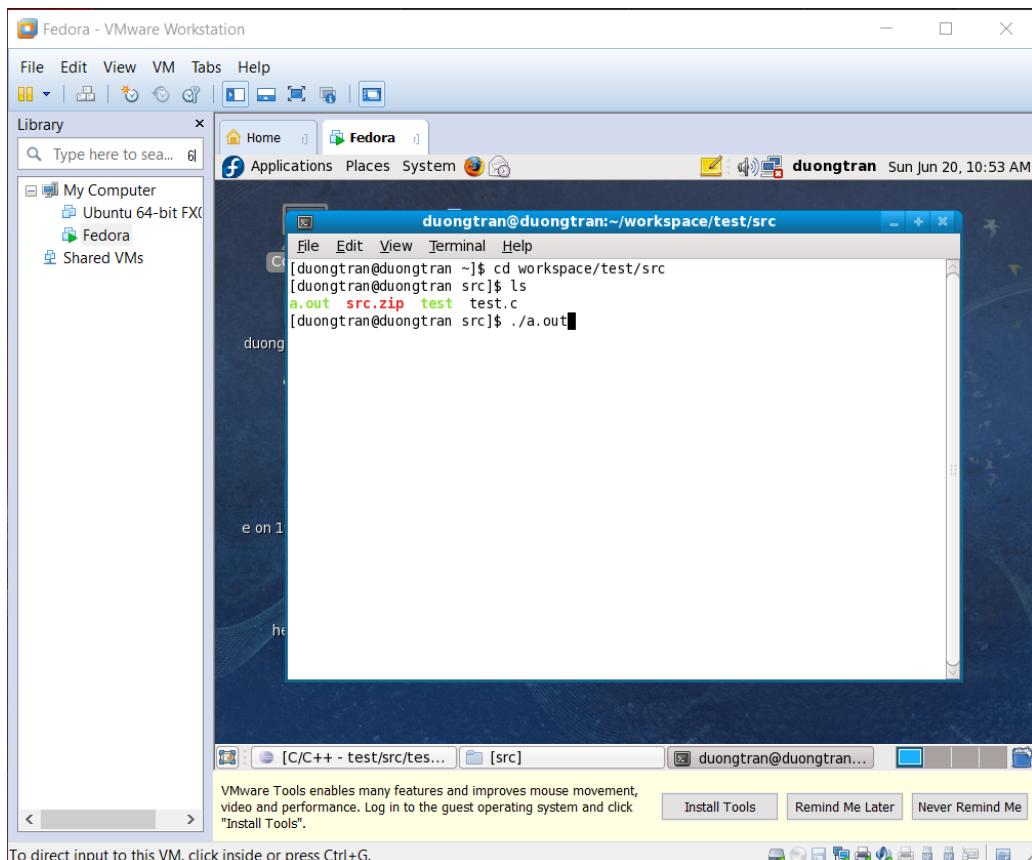
## Capture the terminal screen using grep

- **Usage:** Search any line that contains the word in filename.

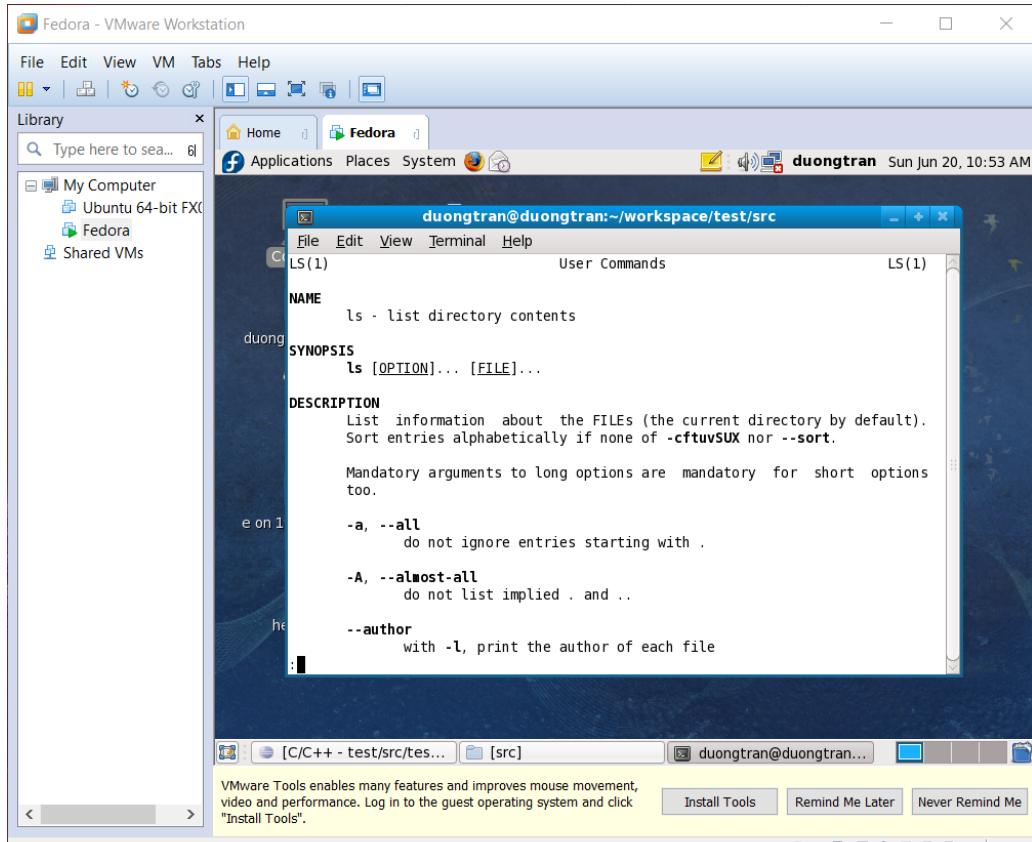


## Submit C/C++ files





To direct input to this VM, click inside or press Ctrl+G.



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- **Explanation:** This code helps to run the command “man ls” – print out manual page of “ls” command like in Terminal window.