



Activity D1: Learning the Command Line

Re-submit Assignment

Due Jan 7 by 11:59pm **Points** 5 **Submitting** a text entry box

1. Set up your computer so that you can use a command line or Linux. Choose one of the following paths listed below.
2. Use the resources listed in [The Command Line](#). Hint: the first two under free resources cover most of the commands listed below. Pay attention to sections on Permissions.
3. Practice using the following commands:
 - cd
 - mkdir
 - rmdir
 - touch
 - cat
 - less
 - ls (including showing hidden files)
 - cp
 - mv
 - rm
 - chmod (to change file permissions)
4. Turn in the assignment by writing a short paragraph explaining what you see when you type "ls -al" in a directory with several files in it, explain what the permission bits mean, and how to modify them with chmod.

Methods for setting up command line environment

Mac Laptop

Use the Terminal application or [iTerm](https://www.iterm2.com/) [_\(https://www.iterm2.com/\)_](https://www.iterm2.com/).

As an alternative, you can setup a Linux VM using:

- [VirtualBox](https://askubuntu.com/questions/710608/how-do-i-install-ubuntu-on-virtualbox-on-mac-os-x-el-capitan) [_\(https://askubuntu.com/questions/710608/how-do-i-install-ubuntu-on-virtualbox-on-mac-os-x-el-capitan\)_](https://askubuntu.com/questions/710608/how-do-i-install-ubuntu-on-virtualbox-on-mac-os-x-el-capitan)
- [VMWare Fusion](http://www.macinstruct.com/node/394) [_\(http://www.macinstruct.com/node/394\)_](http://www.macinstruct.com/node/394)

Windows Laptop

















Use [Git Bash](https://gitforwindows.org/) [_\(https://gitforwindows.org/\)_](https://gitforwindows.org/).

As an alternative, you can setup a Linux VM using:

- [VirtualBox](https://www.lifewire.com/install-ubuntu-linux-windows-10-steps-2202108) [_ \(https://www.lifewire.com/install-ubuntu-linux-windows-10-steps-2202108\)](https://www.lifewire.com/install-ubuntu-linux-windows-10-steps-2202108)
- [VmWare](https://www.makeuseof.com/tag/install-linux-windows-vmware-virtual-machine/) [_ \(https://www.makeuseof.com/tag/install-linux-windows-vmware-virtual-machine/\)](https://www.makeuseof.com/tag/install-linux-windows-vmware-virtual-machine/)
- [Hyper-V](https://blog.couchbase.com/hyper-v-run-ubuntu-linux-windows/) [_ \(https://blog.couchbase.com/hyper-v-run-ubuntu-linux-windows/\)](https://blog.couchbase.com/hyper-v-run-ubuntu-linux-windows/)

CS Department Lab Computers

Learn how to use the Linux desktop and the terminal application to start a shell.

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✓ 	(https://byu.instructure.com/courses/5724/modules/items/362818)
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