

## Some Useful Linux Command-Line Commands

(Items in brackets [] are optional, italicized names are placeholders.)

Task	Command
<b>Managing Directories (Folders)</b>	
List the contents of the current directory	ls [-al]
List the contents of an arbitrary directory	ls [-al] <i>directoryName</i>
Create a new (empty) directory	mkdir <i>directoryName</i>
Remove an empty directory	rmdir <i>directoryName</i>
Remove a non-empty directory (!!)	rm -r <i>directoryName</i>
Rename a directory	mv <i>oldName</i> <i>newName</i>
Copy a directory	cp -r <i>directoryName</i> <i>copyName</i>
Print path to current directory	pwd
Change working directory to HOME	cd
Change working directory to <i>directoryName</i>	cd <i>directoryName</i>
Change working directory to parent	cd ..
<b>Managing Files</b>	
View a file in its entirety	cat <i>fileName</i>
View a file page-by-page	less <i>fileName</i>
View first 10 lines of a file	head <i>fileName</i>
View last 10 lines of a file	tail <i>fileName</i>
Remove a file	rm <i>fileName</i>
Rename a file	mv <i>oldName</i> <i>newName</i>
Copy a file	cp <i>fileName</i> <i>copyName</i>
Search file for pattern	grep <i>pattern</i> <i>fileName</i>
Run program in file in working directory	./ <i>fileName</i>
<b>Managing Processes</b>	
Show running processes	ps
Show real-time process statistics	top
Terminate process with id <i>pid</i>	kill -9 <i>pid</i>
Terminate process with name <i>name</i>	pkill <i>name</i>
Terminate all processes beginning with name	killall <i>name</i>
Pipe output of <i>process1</i> to input of <i>process2</i>	<i>process1</i>   <i>process2</i>
<b>Miscellaneous</b>	
Change your password	yppasswd
Launch Eclipse (in the background)	eclipse &
Show environment variables	env
Show value of a specific environment variable	echo <i>\$variableName</i>
Login to a remote host	ssh <i>username@remoteHostName</i>
Stop current command	cntrl-c
Suspend current command	cntrl-z
Run suspended command in background	bg
Repeat last command	↑
Begin terminal-recording session	script [ <i>recordingFilename</i> ]
Quit terminal-recording session	cntrl-d