Command	Description
pwd	prints working directory (prints to screen, ie displays the full path, or your location on the filesystem)
ls	lists contents of current directory
ls –l	lists contents of current directory with extra details
ls *~~/home/user/*.txt~~*	lists all files in /home/user ending in .txt
cd	change directory to your home directory
cd ~	change directory to your home directory
cd *~~/scratch/user~~*	change directory to user on scratch
cd -	change directory to the last directory you were in before changing to wherever you are now
mkdir *mydir*	makes a directory called mydir
rmdir *mydir*	removes directory called mydir. mydir must be empty
touch *myfile*	creates a file called myfile. updates the timestamp on the file if it already exists, without modifying its contents
cp *myfile myfile2*	copies myfile to myfile2. if myfile2 exists, this will overwrite it!
rm *myfile*	removes file called myfile
rm –f *myfile*	removes myfile without asking you for confirmation. useful if using wildcards to remove files ***
cp –r *dir newdir*	copies the whole directory dir to newdir. –r must be specified to copy directory contents recursively
rm –rf *mydir*	this will delete directory mydir along with all its content without asking you for confirmation! ***
nano	opens a text editor. see ribbon at bottom for help. ^x means CTRL-x. this will exit nano
nano *new.txt*	opens nano editing a file called new.txt
cat *new.txt*	displays the contents of new.txt
more *new.txt*	displays the contents of new.txt screen by screen. spacebar to pagedown, q to quit
head *new.txt*	displays first 10 lines of new.txt
tail *new.txt*	displays last 10 lines of new.txt
tail –f *new.txt*	displays the contents of a file as it grows, starting with the last 10 lines. ctrl-c to quit.
mv *myfile newlocdir*	moves myfile into the destination directory newlocdir
mv *myfile newname*	renames file to newname. if a file called newname exists, this will overwrite it!
mv *dir subdir*	moves the directory called dir to the directory called subdir
mv *dir newdirname*	renames directory dir to newdirname
top	displays all the processes running on the machine, and shows available resources
du –h --max-depth=1	run this in your home directory to see how much space you are using. don't exceed 5GB
ssh *servername*	goes to a different server. this could be queso, brie, or provolone
grep *pattern files*	searches for the pattern in files, and displays lines in those files matching the pattern
date	shows the current date and time
anycommand* > *myfile	redirects the output of anycommand writing it to a file called myfile
date > *timestamp*	redirects the output of the date command to a file in the current directory called timestamp
anycommand* >> *myfile	appends the output of anycommand to a file called myfile
date >> *timestamp*	appends the current time and date to a file called timestamp. creates the file if it doesn't exist
command1* | *command2	"pipes" the output of command1 to command2. the pipe is usually shift-backslash key
date | grep *Tue*	displays any line in the output of the date command that matches the pattern Tue. (is it Tuesday?)
tar -zxf *archive.tgz*	this will extract the contents of the archive called archive.tgz. kind of like unzipping a zipfile. ***
tar -zcf *dir.tgz dir*	this creates a compressed archive called dir.tgz that contains all the files and directory structure of dir
time *anycommand*	runs anycommand, timing how long it takes, and displays that time to the screen after completing anycommand
man *anycommand*	gives you help on anycommand
cal -y	free calendar, courtesy unix
CTRL-c	kills whatever process you're currently doing
CTRL-insert	copies selected text to the windows clipboard (n.b. see above, ctrl-c will kill whatever you're doing)
SHIFT-insert	pastes clipboard contents to terminal

*** = use with extreme caution! you can easily delete or overwrite important files with these.

Absolute vs relative paths.

Let's say you are here: /home/turnersd/scripts/. If you wanted to go to /home/turnersd/, you could type: **cd /home/turnersd/**. Or you could use a relative path. **cd ..** (two periods) will take you one directory "up" to the parent directory of the current directory.

. (a single period) means the current directory

.. (two periods) means the parent directory

~ means your home directory

A few examples	
mv myfile ..	moves myfile to the parent directory
cp myfile ../newname	copies myfile to the parent directory and names the copy newname
cp /home/turnersd/scripts/bstrap.pl .	copies bstrap.pl to "." i.e. to dot, or the current directory you're in
cp myfile ~/subdir/newname	copies myfile to subdir in your home, naming the copy newname
more ../../../myfile	displays screen by screen the content of myfile, which exists 3 directories "up"

Wildcards (use carefully, especially with rm)

***** matches any character. example: **ls *.pl** lists any file ending with ".pl" ; **rm dataset*** will remove all files beginning with "dataset"

[xyz] matches any character in the brackets (x, y, or z). example: **cat do[or]m.txt** will display the contents of either doom.txt or dorm.txt