

Tiffany's UNIX Cheatsheet for CS1

Command	Description	Examples
<code>ls [-l]</code>	Lists files in the current directory. Add <code>-l</code> to list description of files as well	<code>\$ls -l</code> <code>\$ls</code>
<code>gcc `filename` [-o new_name]</code>	Compiles a C program. Adding the extra arguments will name it whatever you specify. Without arguments, it will default to <code>a.out</code>	<code>\$gcc file_name.c</code> <code>\$gcc file_name.c -o newname.out</code>
<code>./`executable`</code>	Executes a C program	<code>./a.out</code>
<code>mkdir `directory name`</code>	Makes a new directory (folder)	<code>\$mkdir Assignment1</code>
<code>rm `filename` [-r]</code>	Removes a file. Can use this to remove multiple files too. Add argument <code>-r</code> to delete a directory	<code>\$rm a.out</code> <code>\$rm a.out file_name.c newname.exe</code> <code>\$rm -r Assignment1</code>
<code>cd `path`</code>	Moves your current directory to the path you specify. Use <code>..</code> to move back to the parent folder	<code>\$cd Assignment1</code> <code>\$cd ..</code> (this sequence will move you to Assignment1 directory then move you back to wherever you where)
<code>cat `filename`</code>	Displays contents of a file in the terminal	<code>\$cat new.txt</code>
<code>mv `filename` `directory`</code>	Moves a file to a specified directory	<code>\$mv file_name.c Assignment1</code>
<code>mv `filename` `new_name`</code>	Renames a file	<code>\$mv file_name.c file_name_NEW.c</code>
<code>scp file_name.c NID@eustis.eecs.ucf.edu:~/</code>	Copies a file from local to server. Defaults to your home directory, but you can specify directory if you'd like	<code>\$scp file_name.c NID@eustis.eecs.ucf.edu:~/Assignment1/</code> (this will copy to your Assignment1 folder if it exists)
<code>scp your_nid@eustis.eecs.ucf.edu:~/file_name.c your_local_path</code>	Downloads a file from server to local	<code>\$scp your_nid@eustis.eecs.ucf.edu:~/file_name.c /home/Tiffany/CS1</code>

****Note that you must run scp from a LOCAL terminal. Do NOT ssh into Eustis and try to run scp from there**