

## **Command Line Cheat Sheet**

### **Files:**

remove a file: `rm <filename>`  
remove a file: `rm -r <folder>`  
rename a file: `mv <oldfilename> <newfilename>`  
copy a file: `cp <oldfilepath/*> <newfilepath>`  
make directory: `mkdir <directoryname>`  
update file: `touch <filename>`

### **Navigating:**

go back 1 folder in a directory: `cd ..`  
go back multiple folders: `cd ../../..`  
reference current directory: `./`  
reference home folder: `~/`  
see current file path: `pwd`

### **Searching:**

list all contents of a directory: `ls`  
list directory contents, including hidden files: `ls -a`  
look for files with a specific file extension: `ls *.<extension>`  
files that start with a specific phrase: `ls <xx>*`  
files that contain a specific phrase: `ls *<xx>*`  
can compound multiple searches: `ls <xx>*<xx>*<extension>`

### **Misc:**

to quit/kill current command: `ctrl+c`  
move cursor to start of line: `ctrl+a`  
move cursor to end of line: `ctrl+e`  
delete from cursor to end of line: `ctrl+k`  
delete from cursor to start of line: `ctrl+u`

### **Copy file from a remote server on to local machine:**

1. Open terminal and navigate to the folder on local desktop that you want to copy to
2. Use command 'scp' with the file path on the server followed by the local file path

example:

```
> cd ~/file/path/to/copy/to
```

```
> scp dmikumar@discover.nccs.nasa.gov:/file/path/to/copy/from ./
```

3. Follow prompts to enter log-in tokens/passwords/etc. for remote server

## Editors:

### **Emacs**

ctrl+x+s = save

ctrl+x+c = exit

### **Vim**

*(This editor opens files in read-only mode)*

to edit the file, type:

i

to exit edit mode:

esc

save & quit:

:wq

quit without saving:

:q

quit without saving + override:

:q!

search for a pattern:

:%s/<string>

replace instances of a pattern on current line:

:s/<string>/<replacement>/g

replace all instances of a pattern:

:%s/<string>/<replacement>/g

delete all instances of a pattern:

:%s/<string>//g

delete all instances of a pattern with confirmation:

:%s/<string>//gc