

# COMMAND LINE CHEAT SHEET

presented by Tower - the best Git client for Mac and Windows



## DIRECTORIES

```
$ pwd
```

Display path of current working directory

```
$ cd <directory>
```

Change directory to <directory>

```
$ cd ..
```

Navigate to parent directory

```
$ ls
```

List directory contents

```
$ ls -la
```

List detailed directory contents, including hidden files

```
$ mkdir <directory>
```

Create new directory named <directory>

## OUTPUT

```
$ cat <file>
```

Output the contents of <file>

```
$ less <file>
```

Output the contents of <file> using the less command (which supports pagination etc.)

```
$ head <file>
```

Output the first 10 lines of <file>

```
$ <cmd> > <file>
```

Direct the output of <cmd> into <file>

```
$ <cmd> >> <file>
```

Append the output of <cmd> to <file>

```
$ <cmd1> | <cmd2>
```

Direct the output of <cmd1> to <cmd2>

```
$ clear
```

Clear the command line window

## FILES

```
$ rm <file>
```

Delete <file>

```
$ rm -r <directory>
```

Delete <directory>

```
$ rm -f <file>
```

Force-delete <file> (add -r to force-delete a directory)

```
$ mv <file-old> <file-new>
```

Rename <file-old> to <file-new>

```
$ mv <file> <directory>
```

Move <file> to <directory> (possibly overwriting an existing file)

```
$ cp <file> <directory>
```

Copy <file> to <directory> (possibly overwriting an existing file)

```
$ cp -r <directory1> <directory2>
```

Copy <directory1> and its contents to <directory2> (possibly overwriting files in an existing directory)

```
$ touch <file>
```

Update file access & modification time (and create <file> if it doesn't exist)

## PERMISSIONS

```
$ chmod 755 <file>
```

Change permissions of <file> to 755

```
$ chmod -R 600 <directory>
```

Change permissions of <directory> (and its contents) to 600

```
$ chown <user>:<group> <file>
```

Change ownership of <file> to <user> and <group> (add -R to include a directory's contents)

## SEARCH

```
$ find <dir> -name "<file>"
```

Find all files named <file> inside <dir> (use wildcards [\*] to search for parts of filenames, e.g. "file.\*")

```
$ grep "<text>" <file>
```

Output all occurrences of <text> inside <file> (add -i for case-insensitivity)

```
$ grep -rl "<text>" <dir>
```

Search for all files containing <text> inside <dir>

## NETWORK

```
$ ping <host>
```

Ping <host> and display status

```
$ whois <domain>
```

Output whois information for <domain>

```
$ curl -O <url/to/file>
```

Download <file> (via HTTP[S] or FTP)

```
$ ssh <username>@<host>
```

Establish an SSH connection to <host> with user <username>

```
$ scp <file> <user>@<host>:/remote/path
```

Copy <file> to a remote <host>

## PROCESSES

```
$ ps ax
```

Output currently running processes

```
$ top
```

Display live information about currently running processes

```
$ kill <pid>
```

Quit process with ID <pid>