

# Common Git Commands Cheat Sheet

## getting stuff from GitHub

Command	Purpose
git clone https://github.com/...	make a local copy of a repo
git fetch	fetch any changes on GitHub
git status	describe any local vs. GitHub diffences
git pull	pull changes to local repo copy

## recording you changes

Command	Purpose
git add <i>filename</i>	add file <i>filename</i> to staging area
git add -A	add all changed files to staging area
git commit -m "message"	commit changes with message "message"
git commit -a -m "message"	stage and commit <i>all</i> changes with message "message"
git push	push your changes up to GitHub

## danger zone

Command	Purpose
git rm <i>filename</i>	remove (delete) file <i>filename</i>
git rm -r <i>directory name</i>	remove (delete) directory and all contents

## working with branches

Command	Purpose
git branch	list local branches (* denotes active branch)
git branch -a	list all local <i>and</i> remote branches
git branch "branchname"	make a new branch called "branchname"
git checkout "branchname"	switch to branch "branchname"
git checkout -b "branchname"	create new branch and switch to it in one go

Command	Purpose
<code>git merge "branchname"</code>	merge "branchname" into current branch
<code>git merge "sourcebranch" "targetbranch"</code>	merge "sourcebranch" into "targetbranch"

## Typical workflow

**Open a terminal in the local repo folder**

**Use git to get - er, "get" - current GitHub version**

```
git fetch - fetch any changes on GitHub
git status - look at any changes
git pull - pull (only if there are changes)
```

**Edit files (usually code)**

**Now get GitHub current with your local changes**

```
git add -A - stage all changes
git commit -m "commit message" - commit the changes to your local repo
git push - send them up to GitHub
```

*or*

```
git commit -a -m "commit message" - stage & commit the changes to your
local repo
git push - send them up to GitHub
```

**Optional: If you're paranoid, like me, you can**

```
git fetch
git status - just to double check that you're all synched up and current...
```