

# GIT Cheatsheet

## Working With Repositories

### Basic commands

Local repository status	<code>git status</code>
Stage a file/dir to commit list	<code>git add &lt;file or dir&gt;</code>
Commit (with text editor)	<code>git commit</code>
Commit (with commit message)	<code>git commit -m "message"</code>
Send committed modification to remote repository (master branch)	<code>git push origin master</code>
Verbose mode	<code>git command -verbose</code> or <code>git command -v</code>
Dry run	<code>git command --dry-run</code>
Unstage a file	<code>git rm --cached &lt;file&gt;</code>

### Repository status

Unpublished commits	<code>git log origin/master..HEAD</code>
Display diff of unpublished commits	<code>git diff origin/master</code>
Display diff of unpublished commits	<code>git diff origin/master..HEAD</code>
Remote repository information	<code>git remote show origin</code>

### Branching

Create a branch	<code>git checkout -b [name_of_your_new_branch]</code>
Change working branch	<code>git checkout [name_of_your_new_branch]</code>
Push the branch	<code>git push origin [name_of_your_new_branch]</code>
See all branches	<code>git branch</code>
Delete a branch on your local filesystem	<code>git branch -d [name_of_your_new_branch]</code>
Force the deletion of local branch on your filesystem	<code>git branch -D [name_of_your_new_branch]</code>
Delete the branch on github	<code>git push origin :[name_of_your_new_branch]</code>

## Working With Files

### Commit

Modify a commit message	<code>git commit --amend</code>
Undo commit	<code>git commit -m "message"</code> <code>git reset HEAD~</code> « edit files as necessary » <code>git add &lt;...&gt;</code> <code>git commit -c ORIG_HEAD</code>
Revert one or more commits (by hashes)	<code>git revert a867b4af 25eee4ca 0766c053</code>
Revert the last two commits	<code>git revert HEAD 2..HEAD</code>
Revert range of commits (by hashes interval)	<code>git revert a867b4af..0766c053</code>

## Useful Tips

### Mirroring

Push to multiple Git repositories	<code>git remote add github \</code> <code>git@github.com:aamar/my-project.git</code> <code>git remote add bb \</code> <code>git@bitbucket.org:aamar/my-project.git</code> <code>git remote set-url --add --push origin \</code> <code>git@github.com:aamar/my-project.git</code> <code>git remote set-url --add --push origin \</code> <code>git@bitbucket.org:aamar/my-project.git</code>
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## Github

### Access

Change repo URL from https to ssh (replace user by the real username)	<code>git remote set-url origin</code> <code>git+ssh://git@github.com/user/reponame.git</code>
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