

Initialize

git init	Initialize repository
git remote add <origin/alternate name> <repo url>	Link local repo with <repo URL>
git push -u origin master	Push committed changes (-u and track branch with remote)

Commit

git add .	Adds all modified and new (untracked) files in the current directory and all subdirectories to the staging area
git commit -m <commit message>	Locally commit
git checkout .	Revert changes to local copy
git reset	Revert changes made to the index (i.e., that you have added). Warning this will reset all of your unpushed commits to master!
git revert <commit 1> <commit 2>	Revert a change that you have committed
git clean -f	Remove untracked files (e.g., new files, generated files)
git clean -fd	Remove untracked directories
git stash	Stash the changes away in a working directory
git diff <branch 1> <branch 2>	Compare two branches
git diff <branch 1> <branch 2> -name-only	Compare two branches, file names only
git diff <branch>	Compare <branch> with current branch
git rm <file> --cached	Remove file from remote, while retaining local copy

Branching, Merging

git checkout -b <branch> master	Create <branch> from master
git push -u origin <branch>	Push <branch>
git merge <branch>	Merge <branch> into current branch
git branch -d <branch>	Delete local branch if it is merged, if not -D to force delete

Branching, Merging (cont)

git push <remote_name> --delete <branch>	Delete remote branch
git branch <branch>	Create branch <branch>
git branch [-a]	List branches, -a including remote, * indicates current branch
git rebase <branch>	Rebase from <branch> into current branch, i.e. take <branch> and then apply current branch's commits onto it to create linear history
git branch -m <old> <new>	1. Rename your local branch
git push origin :<old> <new>	2. Delete the <old> remote branch and push the <new> local branch
git push origin -u <new>	3. Reset the upstream branch for the <new> local branch
git diff --name-status <b1>..<b2>	Show diffs (filenames only) between two branches
git diff --name-status master	Show diffs (filenames only) between master and current branch

Admin, Trouble-shooting

git log [-p] [-n]	Shows commit history, last n, -p differences
git remote set-url origin <new url>	Change remote url
git remote -v	List remote information
git config --global credential.helper cache	Set git to use the credential memory cache
git config --global credential.helper 'cache --timeout=3600'	set the cache to timeout after 1 hour (setting is in seconds)
git config [--global] user.name "FIRST_NAME LAST_NAME"	Set (global/repo) username for commits
git config [--global] user.email "MY_NAME@example.com"	Set (global/repo) email for commits