

Setup

git config --global user.name "name"	Setting username
git config --global user.email "name@mail.com"	Setting the email

Start a project

git init dir	Create a local repo and initialise dir
git clone <url>	Download remote repo

Make changes

git add file	Add file to staging
git add .	Stage all files
git commit -m "message"	Commit all staged files to git
git commit --amend	Change the last (unpublished) commit

Review Repository

git status	List new/modified files that are yet to be committed
git log --oneline	List commit history with commit-id
git diff commit-id1 commit-id2	Changes between two commits
git log	List all commits (from newest)

Branches

git branch	List all local branches
git branch new_branch	Create new branch
git checkout branch	Switch to branch and update the working directory

Branches (cont)

git checkout -b branch	Create new branch and switch to it
git branch -d branch	Delete a local branch
git branch -D branch	Delete a branch (merge-d/not)
git tag <tag>	Mark current commit with a tag

Revert and Reset

git revert <commit-id>	Create new commit, reverting commits from the specified <commit-id>
git reset <commit-id>	Go back to previous commit, deleting all the commits ahead of it
git rm file	Removing a file from working directory and staging area, stage the removal
git checkout <commit-id>	View a previous commit

Merge and Rebase

git merge branch	Merge branch to current HEAD
git rebase branch	Rebase current HEAD onto branch
git rebase --abort	Abort a rebase
git rebase --continue	Continue a rebase after resolving conflicts
git mergetool	Mergetool to resolve conflicts

Stashing

git stash	Store modified and staged changes
git stash -p	Partial stash
git stash list	List all stash
git stash apply	Re-apply all stash, not deleting from list
git stash pop	Re-apply latest stash and delete from list
git stash drop	Delete stash
git stash clear	Delete all stashes

Remote, Pull and Push

git remote add <alias> <url>	Add remote repo
git remote	View all remote connections
git remote rename <alias>	Rename a remote connection
git remote remove <alias>	Remove a remote connection
git fetch <alias> <branch>	Fetch a specific branch(not merging with local repo)
git pull	Fetch remote repo copy and merge to local repo
git push <alias>	Update remote repo with the local repo content
git push <alias> <branch>	Upload to a specific branch

