Cheatography

Git cheat sheet Cheat Sheet by Ripp via cheatography.com/83309/cs/19761/

Creating

To create a local repository cd ~/projects/myproject git init git add .

To clone from a remote repository (possible ways to do it) git clone ~/existing/repo ~/new/repo git clone git://host.org/project.git git clone ssh://you@host.org/proj.git

Local

git checkout [-b]	Switches HEAD to given branch -b for creating a branch
git commit [amend]	Adds a new commit;amend for a slight change to current commit
git tag	Adds a tag
git describe	Describes how far is the nearest ancestor with a tag
git merge	Merges two commits
git log	Displays changes to the project
git rebase [-i]	Creates a copy of commits from HEAD to a given commit; -i for an interactive mode
git branch [-f] [-u] [-d]	Creates a new branch; -f for force; -u for specifying which branch to track; -d for deleting a branch;
git cherry- pick	Adds to the HEAD commits that are not ancestors in a given order
git reset	Deletes a HEAD commit
git revert	Creates a new commit that undoes the changes from a previous commit
Main difference between git merge and git rebase is that rebase	

makes commits to be in a one line under each other on a tree, which leads to loosing the order of changes. Merge creates a new commit which keeps the order of changes in the project. It's just the matter of tree simplicity and keeping changes between them.

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Remote	
git clone	Clones from a remote repository
git fetch	Downloads all commits, but doesn't merges or rebases them in a local project
git pull [rebase]	Combines git fetch and git merge;rebase for git rebase instead of git merge
git push	Uploads commits

Fetch, pull and push have a specific syntax if we want to specify the source and destination commits. Basically we can use two forms:

git fetch/pull/push destination source for whole commit tree branch

git fetch/pull/push origin source:destination for specific commits

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