Git Cheat Sheet

TERMINOLOGY

Branch

A parallel version of the repository that can be used for development without affecting the other branches. When development is complete, the development branch can be merged into another branch.

Clone

A copy of the repository, typically to a local machine. Work is done in the local clone and pushed to the remote repository.

Commit

A record of the files changed since the last commit, including the author, time and a message summarizing what was changed.

Remote

This is the version of the repository that is hosted on a server.

CREATE

Create a local repository

`git init`

Clone a remote repository

`git clone <URL>`

Update .gitignore

EXPLORE

View changed files

`git status`

Changes to tracked files

`git diff`

Show all commits

`git log`

List all existing branches

`git branch`

List all remotes

`git remote -v`

Get all changes from origin without merging

`git fetch`

WORKFLOW

Update current branch

`git pull origin <BRANCH>`

Create a new branch

`git checkout -b <BRANCH>`

Add/Commit changes

`git add <FILES>`
`git commit -m <MESSAGE>`

Push current branch

`git push origin <BRANCH>`

Switch to another branch

`git checkout <BRANCH>`

Merge into master

`git pull origin master`
`git merge <BRANCH>`