

Learn You some GIT

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Create Repositories

\$ `git init` project-name

Creates a new local repository with the specified name

\$ `git clone` url

Downloads a project and its entire version history but only the master branch!

\$ `git fetch` remote-branch/local-branch

lets you fetch the remote branch and create a local branch

\$ `git checkout` local-branch

switch to the branch

Make Changes

\$ `git status` project-name

Most important command! Lists all new or modified files to be committed

\$ `git add` file

Snapshots the file in preparation for versioning

\$ `git commit -m` "descriptive message"

Records file snapshots permanently in version history

\$ `git commit -am` "descriptive message"

Snapshots all tracked files in preparation for versioning & records file snapshots permanently in version history

Group Changes

\$ `git branch`

Lists all local branches in the current repository

\$ `git branch` branch-name

Creates a new branch with the specified branch name

\$ `git checkout` branch-name

Switches to the specified branch and updates the working directory

\$ `git merge` branch-name

Combines the specified branch's history into the current branch

\$ `git branch -d` branch-name

Deletes the specified branch

Suppress Tracking

By creating a file called `.gitignore` (yes its a hidden file) in the root directory, you can specify all the files you want git to ignore.

Examples for files you don't want to track:

- ▶ `*.log`
- ▶ `*.config`
- ▶ `my-secret-passwords.secret`
- ▶ Any IDE related files