

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`

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

Save Fragments

\$ git stash

Temporarily stores all modified tracked files

\$ git stash pop

Restores the most recently stashed files

Synchronize Changes

\$ `git pull`

Downloads bookmark history and incorporates changes

\$ `git push`

Uploads all local branch commits

\$ `git merge branch`

Merges the specified branch changes into the the branch you're currently in

The five daily commands

- ▶ `$ git status`
- ▶ `$ git pull`
- ▶ `$ git add file`
- ▶ `$ git commit -m "descriptive message"`
- ▶ `$ git push`

And please don't use `git commit -am "message"`!