Cheatography

Basic GIT Commands Cheat Sheet

by Katie via cheatography.com/47088/cs/13576/

HOW TO CREATE A REPOSITORY

$ git init [project name]

Create a New local Repository

$ git clone my_url

Download an existing Repository

MAKING A CHANGE

$ git add [file name]

Stages the file, ready for commit

$ git add

Stage all changed files, ready for commit

$ git commit -m “add commit message”

Commit all staged files to versioned history

$ git commit -am “add commit message”

Commit all your tracked files to versioned history

$ git reset [file name]

Un-stages file, keeping the file changes

$ git reset --hard

Revert everything to the last commit

DISPLAY YOUR REPOSITORY

$ git status

Display new or modified files not yet committed

$ git diff

Display the changes to files not yet staged

$ git diff --cached

Display the changes to files

DISPLAY YOUR REPOSITORY (cont)

$ git diff HEAD

Display all staged and unstaged file changes

$ git diff commit1 commit2

Display the changes between two commit ids

$ git blame [file name]

Display the changed dates and authors for a file

$ git show [commit]:[file name]

Display the file changes for a commit id and/or file

$ git log

Display full change history

$ git log -p [file name/directory]

Display change history for file/directory including diffs

SYNCHRONIZE

$ git fetch

Display the latest changes from origin

$ git pull

Display the latest changes from origin and merge

$ git pull --rebase

Display the latest changes from origin and rebase

$ git push

Pushes the local changes to the origin

BRANCHES

$ git branch

Display all local branches

$ git branch -av

Display all branches, local and remote

$ git checkout myBranch

Switch to a branch, myBranch, and update working directory

$ git branch newBranch

Create a new branch called newBranch

$ git branch -d myBranch

Delete the branch called myBranch

$ git checkout branchB $ git merge branchA

Merge branchA into branchB

$ git tag myTag

Tag the current commit myTag

IF IN DOUBT - HELP !

$ git command --help