GIT CHEAT SHEET

This document provides a quick reference to a concise set of commands from various operations in Git, with their usage for further practice.

$ git init [project-name] Creates a new local repository with the specified argument
$ git status Lists all new or modified files to be committed
$ git config --global user.name "[user-name]“ Defines the name you want associated with your commit transactions
$ git config --global user.email "[user-email-address]" Defines the email address you want associated with your commit transactions
$ git config --global color.ui auto Turns on colorization of command line output
$ git add [file] Prepares the file for commit by logically moving it to the staged area
$ git ls-files --stage Lists all the files in the staged area
$ git commit -m "[commit message]" Adds the staged files permanently in version history

$ git diff Shows unstaged file differences
$ git diff --staged Shows file differences between staging and the last file version
$ git branch Lists all branches in the current local repository
$ git branch [branch-name] Creates a new branch
$ 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
$ git rm [file] Deletes the file from the working directory and the staging area

$ git rm --cached [file] Removes the file from version control but retains the file locally
$ git log Lists version history for the current branch
$ git log --oneline Lists version history in one line for the current branch
$ git log –oneline –decorate --graph Lists version history in one line, decorated in graphical form for the current branch
$ git push [alias] [branch] Uploads all local branch commits to remote repository
$ git pull Downloads from remote repository and incorporates changes
$ git stash Temporarily stores all modified tracked files
$ git clone [repository-url] Clones an existing repository

$ git rebase [branch]

Rebases your current HEAD onto [branch]