Advanced Git Cheat Sheet

Command	Explanation & Link
git commit -a	Stages files automatically
git log -p	Produces patch text
git show	Shows various objects
git diff	Is similar to the Linux `diff` command, and can show the differences in various commits
git diff --staged	An alias to --cached, this will show all staged files compared to the named commit
git add -p	Allows a user to interactively review patches to add to the current commit
git mv	Similar to the Linux `mv` command, this moves a file
git rm	Similar to the Linux `rm` command, this deletes, or removes a file

Git Revert Cheat Sheet

git checkout is effectively used to switch branches.

git reset basically resets the repo, throwing away some changes. It's somewhat difficult to understand, so reading the examples in the documentation may be a bit more useful.

There are some other useful articles online, which discuss more aggressive approaches to resetting the repo.

git commit --amend is used to make changes to commits after-the-fact, which can be useful for making notes about a given commit.

git revert makes a new commit which effectively rolls back a previous commit. It's a bit like an undo command.

Git Branches and Merging Cheat Sheet

Command	Explanation & Link
git branch	Used to manage branches
git branch <name>	Creates the branch
git branch -d <name>	Deletes the branch
git branch -D <name>	Forcibly deletes the branch
git checkout <branch>	Switches to a branch.
git checkout -b <branch>	Creates a new branch and switches to it.
git merge <branch>	Merge joins branches together.
git merge --abort	If there are merge conflicts (meaning files are incompatible), --abort can be used to abort the merge action.
git log --graph --oneline	This shows a summarized view of the commit history for a repo.

Basic Interaction with GitHub Cheat-Sheet

There are various remote repository hosting sites:

- GitHub
- BitBucket
- Gitlab.

Some useful commands for getting started:

Command	Explanation & Link
git clone URL	Git clone is used to clone a remote repository into a local workspace
git push	Git push is used to push commits from your local repo to a remote repo
git pull	Git pull is used to fetch the newest updates from a remote repository

This can be useful for keeping your local workspace up to date.

- https://help.github.com/en/articles/caching-your-github-password-in-git
- https://help.github.com/en/articles/generating-an-ssh-key

Git Remotes Cheat-Sheet

Command	Explanation & Links
git remote	Lists remote repos
git remote -v	List remote repos verbosely
git remote show <name>	Describes a single remote repo
git remote update	Fetches the most up-to-date objects
git fetch	Downloads specific objects
git branch -r	Lists remote branches; can be combined with other branch arguments to manage remote branches