

git cheat sheet

Essential commands for everyday version control.

SETUP & INIT

Initialize a repository	<code>git init</code>
Clone a repository	<code>git clone <url></code>
Set global username	<code>git config --global user.name "Name"</code>
Set global email	<code>git config --global user.email "email"</code>

BASIC WORKFLOW

Check status	<code>git status</code>
View unstaged changes	<code>git diff</code>
Stage a file	<code>git add <file></code>
Stage all changes	<code>git add .</code>
Commit staged changes	<code>git commit -m "message"</code>
View commit history	<code>git log</code>

BRANCHING & MERGING

Create a branch	<code>git branch <branch></code>
Switch to a branch	<code>git checkout <branch></code>
Create and switch	<code>git checkout -b <branch></code>

Merge into current branch	<code>git merge <branch></code>
Delete a branch	<code>git branch -d <branch></code>

REMOTE REPOSITORIES

Add a remote	<code>git remote add origin <url></code>
List remotes	<code>git remote -v</code>
Push to remote	<code>git push origin <branch></code>
Pull from remote	<code>git pull origin <branch></code>

STASH & CLEAN

Stash changes	<code>git stash</code>
Restore stashed changes	<code>git stash apply</code>
Remove untracked files	<code>git clean -f</code>

UNDO & RESET

Revert a commit	<code>git revert <hash></code>
Reset to commit (keep changes)	<code>git reset <hash></code>
Reset and discard all changes	<code>git reset --hard <hash></code>

TAGGING

Create a tag	<code>git tag <tag></code>
Push a tag	<code>git push origin <tag></code>
Push all tags	<code>git push --tags</code>

Get command help

`git help <command>`