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AI-generated content may be incorrect.

Git Cheat Sheet – Quick Reference

This cheat sheet is designed as a quick reference for the most common Git commands. Git is a version control system that helps track changes in code and collaborate with others.

## Setup

* git config --global user.name "Your Name"

Set your Git username.

* git config --global user.email "you@example.com"

Set your Git email.

* git --version

Check your installed Git version.

## Starting a Repository

* git init

Create a new local repository.

* git clone <url>

Download (clone) a repository from GitHub or elsewhere.

## Making Changes

* git status

Check the status of your files (changed, staged, etc.).

* git add <file>

Stage a specific file for commit.

* git add .

Stage all changed files.

* git commit -m "Message"

Save your changes with a descriptive message.

## Working with History

* git log

Show a history of commits.

* git diff

See what has changed before staging.

* git diff --staged

See what changes are staged for commit.

## Branches

* git branch

List branches in your repo.

* git branch <name>

Create a new branch.

* git checkout <name>

Switch to another branch.

* git merge <name>

Merge a branch into your current branch.

## Updating from Remote

* git pull

Download and merge changes from the remote repository.

* git push

Upload your commits to the remote repository (e.g., GitHub).

## Undoing / Fixing

* git checkout -- <file>

Discard changes in a file (before staging).

* git reset HEAD <file>

Unstage a file but keep changes.

* git revert <commit>

Undo a specific commit safely.