**Git Command Quick Reference**

A concise list of essential Git commands for common development workflows.

**1. Initial Setup**

Configure your Git identity on a new machine.

* git config --global user.name "Your Name"
* git config --global user.email "youremail@example.com"

**2. Start a New Project**

Initialize a repository and make the first commit.

* git init
* git add .
* git commit -m "Initial commit"

**3. Connect to a Remote Repo**

Link your local project to a remote server like GitHub.

* git remote add origin <repository\_url>
* git push -u origin main

**4. Collaborate on an Existing Project**

Download and stay updated with a remote project.

* git clone <repository\_url>
* git pull

**5. Create a Branch**

Make a separate line of work for a new feature.

* git checkout -b <new-feature-branch>

**6. Merge a Branch**

Combine your feature branch back into the main branch.

* git checkout main
* git merge <feature-branch-name>

**7. Commit Your Work**

Save your changes to the branch's history.

* git add .
* git commit -m "A descriptive message of changes"

**8. Checkout a Branch**

Switch between your different lines of work.

* git checkout <branch-name>

**9. Stash Your Work**

Temporarily save uncommitted changes to switch tasks.

* git stash (to save changes)
* git stash pop (to re-apply the saved changes)

**10. Revert a Commit**

Create a new commit that safely undoes a previous one.

* git revert <commit\_hash>