

GitHub Commands Cheat Sheet

Repository 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 init`

-> Initialize a new Git repository

`git clone <repo_url>`

-> Clone an existing repository

Basic Workflow

`git status`

-> Check the status of your files

`git add .`

-> Stage all changes for commit

`git commit -m "message"`

-> Commit staged changes with a message

`git push origin main`

-> Push changes to the main branch

`git pull origin main`

-> Pull latest changes from the main branch

Collaboration

`git fork`

-> Create a personal copy of a repository (via GitHub UI)

`git remote add upstream <repo_url>`

-> Add original repo as upstream

`git fetch upstream`

-> Fetch changes from upstream

`git merge upstream/main`

-> Merge upstream changes into local main

git push origin main

-> Push merged changes to your fork

Branching

git branch

-> List all branches

git branch <branch_name>

-> Create a new branch

git checkout <branch_name>

-> Switch to a branch

git checkout -b <branch_name>

-> Create and switch to a new branch

git merge <branch_name>

-> Merge a branch into current branch

git branch -d <branch_name>

-> Delete a branch