

# Git Basic Commands Cheat Sheet

## Setup & Configuration

git config --global user.name "Your Name" → Set your name  
git config --global user.email "you@example.com" → Set your email  
git config --list → View config details

## Repository Basics

git init → Initialize a new Git repository  
git clone → Clone an existing repository

## Staging & Committing

git status → Check repo status (modified, staged files)  
git add → Stage a file  
git add . → Stage all changes  
git commit -m "Message" → Commit changes with message

## Branching

git branch → List branches  
git branch → Create a new branch  
git checkout → Switch to branch  
git checkout -b → Create & switch to new branch  
git merge → Merge a branch into current one

## Remote Repositories

git remote -v → Show remote URLs  
git remote add origin → Add a remote repo  
git push origin → Push changes  
git pull origin → Pull latest changes

## Undoing Changes

git restore → Discard changes in working directory  
git reset → Unstage a file  
git reset --hard → Reset repo to a commit

## Logs & History

git log → Show commit history  
git log --oneline → Condensed commit history  
git diff → Show changes not staged  
git diff --staged → Show staged changes