Common Git & GitHub Commands

Setup and Configuration

git config --global user.name "Your Name"	Set your Git username
git config --global user.email "you@example.com"	Set your Git email
git config --list	View current Git configuration

Repository Initialization

git init	Initialize a new local Git repo
git clone <repo-url>	Clone a remote repo to your computer

Staging and Committing

git status	Check the status of changes
git add .	Stage all changes
git add <file>	Stage a specific file
git commit -m "message"	Commit staged changes with a message

Remote Repositories

git remote add origin <repo-url>	Link local repo to remote GitHub repo
git remote -v	View current remotes
git push -u origin main	Push code to GitHub (main branch)
git pull origin main	Pull latest changes from GitHub

Branching

git branch	List local branches
git checkout -b <branch-name>	Create and switch to a new branch
git checkout <branch-name>	Switch to an existing branch
git merge <branch-name>	Merge branch into current branch
git branch -d <branch-name>	Delete a branch locally

Undo & Cleanup

git reset <file>	Unstage a file
git restore <file>	Discard changes in a file

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git log	View commit history
git diff	See changes not staged yet

Help

git help	General help
git <command> --help	Help for specific command