Popular Git Commands Cheatsheet

Command	Explanation	Example
git init	Initialize a new Git repository	git init
git clone	Clone a remote repo locally	git clone <url>
git status	Show working directory changes	git status
git add	Stage files for commit	git add <file>
git commit -m	Commit staged changes	git commit -m 'msg'
git branch	List branches	git branch
git branch <name>	Create a new branch	git branch feature
git checkout <branch>	Switch branch	git checkout main
git switch <branch>	Switch branches (modern)	git switch dev
git merge <branch>	Merge a branch	git merge feature
git pull	Fetch + merge remote changes	git pull origin main
git push	Upload commits to remote	git push origin main
git log	View commit history	git log
git log --oneline	Compact commit history	git log --oneline
git diff	Show unstaged changes	git diff
git diff --staged	Show staged changes	git diff --staged
git reset --soft	Undo commit but keep changes staged	git reset --soft HEAD~1
git reset --hard	Undo commit & discard changes	git reset --hard HEAD~1
git revert	Create inverse commit	git revert <commit>
git stash	Save work temporarily	git stash
git stash pop	Restore stashed work	git stash pop
git rm	Remove tracked file	git rm file.txt
git mv	Rename/move file	git mv old new
git remote -v	View remotes	git remote -v
git remote add	Add a remote repo	git remote add origin <url>
git fetch	Download changes without merging	git fetch origin
git tag	List existing tags	git tag
git tag <name>	Create lightweight tag	git tag v1.0
git show	Show details of commit/tag	git show <commit>
git blame	Show who changed each line	git blame file.py
git reflog	View all HEAD movements	git reflog
git cherry-pick	Apply a specific commit	git cherry-pick <commit>

git bisect	Find commit causing a bug	git bisect start
git archive	Create a zip/tar of repo	git archive --format=zip HEAD
git clean -fd	Remove untracked files	git clean -fd
git restore	Restore working tree file	git restore <file>
git restore --staged	Unstage a file	git restore --staged <file>