

Git Workflow Cheat Sheet

Action	Command
Setup	
Set username	git config --global user.name "Your Name"
Set email	git config --global user.email "your@email.com"
Check config	git config --global --list
Repository	
Initialize new repo	git init
Clone existing repo	git clone <repo-url>
Check Status	
Show current state	git status
Staging Files	
Stage one file	git add file.txt
Stage all files	git add .
Stage folder	git add folder/
Committing	
Commit staged changes	git commit -m "message"
Commit tracked changes (skip staging)	git commit -am "message"
History	
View commit log	git log
Compact log	git log --oneline
Show last commit	git show HEAD
Undo / Reset	
Unstage a file	git restore --staged file.txt
Discard changes in file	git restore file.txt
Undo last commit (keep changes)	git reset --soft HEAD~1
Undo last commit (discard changes)	git reset --hard HEAD~1
Branching	
Create branch	git branch new-branch
Switch branch	git checkout new-branch
Create & switch branch	git checkout -b new-branch
List branches	git branch
Merge branch	git merge branch-name

Delete branch	git branch -d branch-name
Remote	
Add remote	git remote add origin <url>
View remotes	git remote -v
Push branch	git push origin branch-name
Pull changes	git pull
Fetch changes (no merge)	git fetch
Diff & Changes	
Show unstaged changes	git diff
Show staged changes	git diff --staged

Workflow Quick Steps:

1. git status → check changes
2. git add file.txt → stage file
3. git commit -m 'message' → commit changes
4. git push origin main → push to remote