

## SETUP & CONFIG

**git config --global user.name "[name]"**  
Sets your commit name

**git config --global user.email "[email]"**  
Sets your commit email

**git init**  
Initialize a new local repo

**git clone [url]**  
Clone a repository

## INSPECTION & LOG

**git log**  
Show commit history

**git log --oneline**  
Compact history

**git diff**  
Show unstaged changes

**git diff --staged**  
Show staged changes

**git show [commit]**  
View specific commit

## GLOSSARY

**Working Directory** Current file state.

**Staging Area** Files ready for commit.

**Repository** Committed history.

**Remote** Hosted version (GitHub/  
GitLab).

**HEAD** Last commit in current branch.

## BASIC SNAPSHOTTING

**git status**  
View changed files

**git add [file]**  
Stage a specific file

**git add .**  
Stage all changes

**git commit -m "[msg]"**  
Commit staged changes

**git commit --amend**  
Edit last commit

## UNDOING CHANGES

**git reset [file]**  
Unstage a file

**git reset --hard HEAD**  
Discard all local changes

**git checkout -- [file]**  
Restore file to last commit

**git revert [commit]**  
Create a compensating commit

## BRANCHING

**git branch**  
List local branches

**git checkout -b [name]**  
Create and switch to branch

**git checkout [name]**  
Switch to a branch

**git merge [branch]**  
Merge branch into current

**git branch -d [name]**  
Delete a branch

## ACME SPECIFICS

### Branch Naming

**feat/[jira-id]**  
For new features

**fix/[jira-id]**  
For bug fixes

**docs/[description]**  
Documentation only

### Commit Format

[JIRA-ID] description

### Pre-flight

**npm run lint**  
Run before committing

**npm test**  
Ensure all tests pass

## REMOTE SYNC

**git fetch**  
Get latest from remote

**git pull**  
Fetch and merge changes

**git push origin [branch]**  
Push branch to remote

**git remote -v**  
List remote URLs

## STASHING

**git stash**  
Temporarily store changes

**git stash pop**  
Restore last stashed

**git stash list**  
List all stashes

**git stash drop**  
Discard last stash