

Git Quick Reference

Essential commands for version control

The 6 Commands You Need:

`git init`

Start tracking your project

`git status`

See what's changed

`git add .`

Stage all changes for commit

`git commit -m "Your message"`

Save a checkpoint with description

`git log`

See history of commits

`git checkout [commit-id]`

Jump back to a previous version

Typical Workflow:

1. `git init` (once at project start)
2. Build a feature
3. `git status` (see what changed)
4. `git add .` (stage changes)
5. `git commit -m 'Add feature X'` (save checkpoint)
6. Repeat steps 2-5 for each feature

Experimenting with Branches:

`git branch experiment`

Create a branch called 'experiment'

`git checkout experiment`

Switch to experiment branch

Try risky changes safely!

`git checkout main`

Go back to main branch (your changes safe in experiment)