

**1 Start a Project**

Create a new Git repo locally

`$ git init`

Clone an existing repo

`$ git clone <PROJECT_URL>`

**2 Save Your Work**

Check status of files in directory

`$ git status`

Add changes to staging

`$ git add <file>`

`$ git add . (for all files)`

Save staged changes

`$ git commit -m "message"`

**3 Work with Branches**

List all local branches

`$ git branch`

Create a new branch

`$ git branch <branch_name>`

Switch to a branch

`$ git checkout <branch_name>`

Create and switch to new branch

`$ git checkout -b <branch_name>`

**4 See Project History**

View commit history

`$ git log`

See changes made to tracked files

`$ git diff`

See who changed a file

`$ git blame <file_name>`

**5 Collaborate with Others**

Connect to remote repo

`$ git remote add origin <url>`

Download the latest changes

`$ git pull`

Upload your changes to remote

`$ git push`

**6 Fix Mistakes**

Undo Changes from Previous Commit

`$ git revert <commit>`

Save changes for later

`$ git stash`

