**Setup**

Set the name and email that will be attached to your commits and tags

$ git config --global user.name "Danny Adams"

$ git config --global user.email "myemail@gmail.com"

**Starting a Project with Git**

Create a local repo (omit <directory> to initialise the current directory as a git repo)

$ git init <directory>

Download a remote repo

$ git clone <url>

**Make a Change**

Add a file to staging

$ git add <file>

Stage all files

$ git add .

Commit all staged files to git

$ git commit -m "commit message"

Add all changes made to tracked files & commit

$ git commit -am "commit message"

**Basic Git Concepts**

**main**: default development branch  
**origin**: default upstream repo  
**HEAD**: current branch  
**HEAD^**: parent of HEAD  
**HEAD~4**: great-great grandparent of HEAD