

- different OS has different GUI's for git, but still can have the same essential command line tools to work it.
- ~10 commands can get you the basics
- Starting the software project:
 - starting it locally
- CVS + Subversion
- creating project: `git init project`
 - .git file contains:
 - where everything gets saved when things are changed to source code
 - every git + git-related writes to .git.
- What does remote vs local appt?
 - can connect a different address in your config file
 - another place for git to read from
 - git remote add origin `https://github.com/github student/project1`
 - to check address: `cat .git/config`

Setup

- what you need:
 - ① git @ command line → installers for windows + linux → git-scm.com
 - ② GUI
 - ③ account @ github.com

Config

- make sure you have: `user.name` `user.email` set
 - here via settings + older
 - setting levels
- "git config --global user.name"
- "git config --global user.email"
- line endings: "git config --global core.autocrlf true"
- color: "git config --global color.ui auto"
- useful settings:
 - narrow settings: "git config --local user.name Anonymous"
 - global settings: "git config --local user.email dontemailme@notsure.com"

Init

- initializing a repository (locally)
- you already have a project but you want to make it under version control, just `git init` in its directory
- "git init website"
- creating a repository on github.com
- repository name will be the chosen name of the project
- + have a choice between public + private repositories
- also check whether you want a readme to be autogenerated

Committing

3 different ways:

- ① on local computer
- "git status"