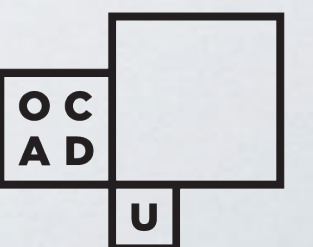




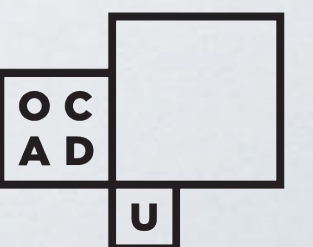
# GIT + OPEN SOURCE

# WHAT IS GIT?





- Git is a distributed version control system.
- Git allows multiple people and groups to work on the same documents.
- Git operates as a system driven by two main actions: branching and merging. This is called the "branching model"
- Invented by Linus Torvalds, the creator of the Linux kernel.






Search GitHub

[Pull requests](#) [Issues](#) [Marketplace](#) [Explore](#)



# How developers work

Support your workflow with lightweight tools and features. Then work how you work best—we'll follow your lead.

 [New to GitHub? See how it works](#)



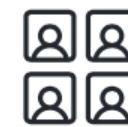
Code review



Project management



Integrations



Team management



Social coding



Documentation



Code hosting

<https://github.com>







Atom



Electron





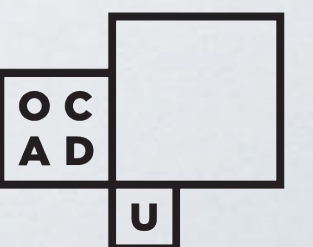
Hubot



GitHub Desktop



# HOW TO INSTALL GIT



On Mac:

Xcode Command Line Tools

[git-scm.com](https://git-scm.com)

On Windows:

[git-scm.com](https://git-scm.com)

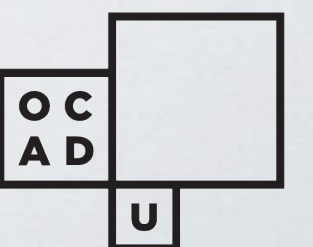
On Linux:

Command Line

[git-scm.com](https://git-scm.com)

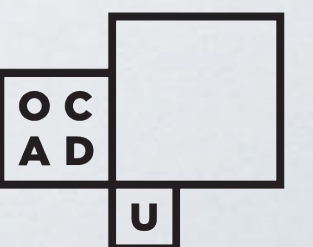
Using NPM in Command Line:

```
npm install --save npm-git-install
```





# HOW GIT WORKS



# HISTORY LESSON

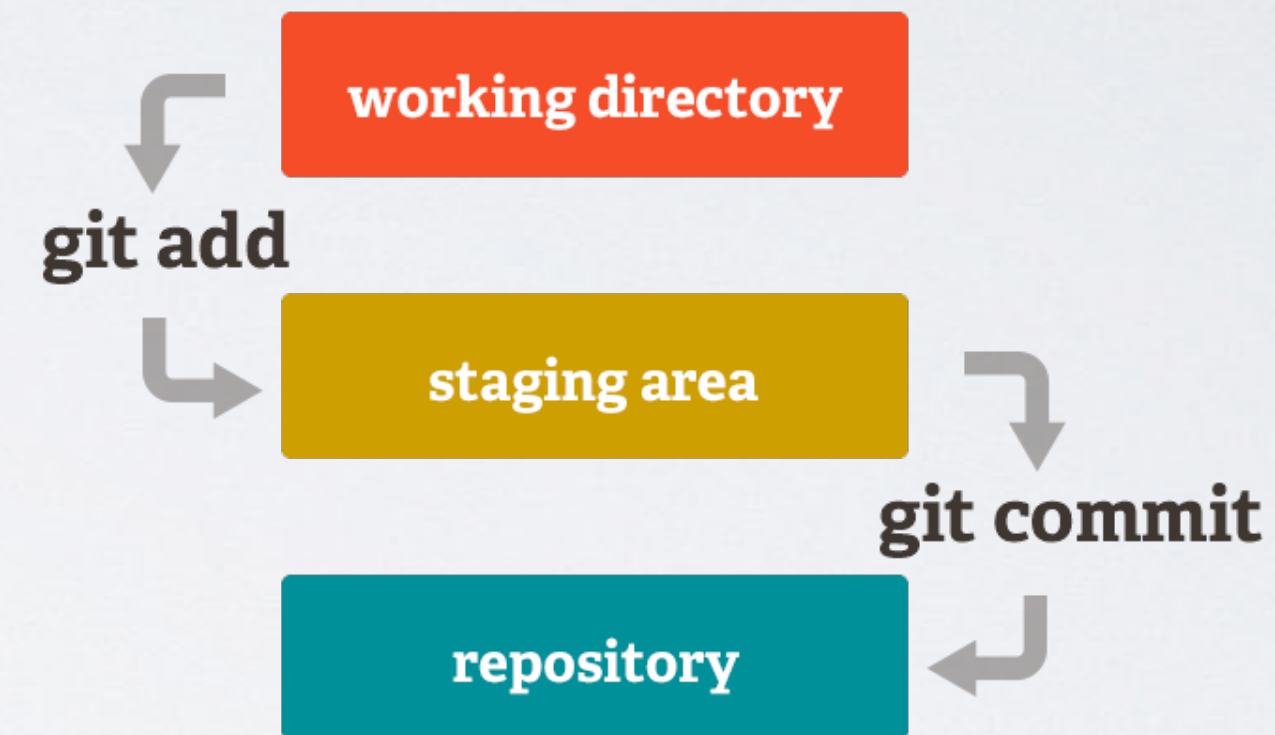
commits, parents, reachability



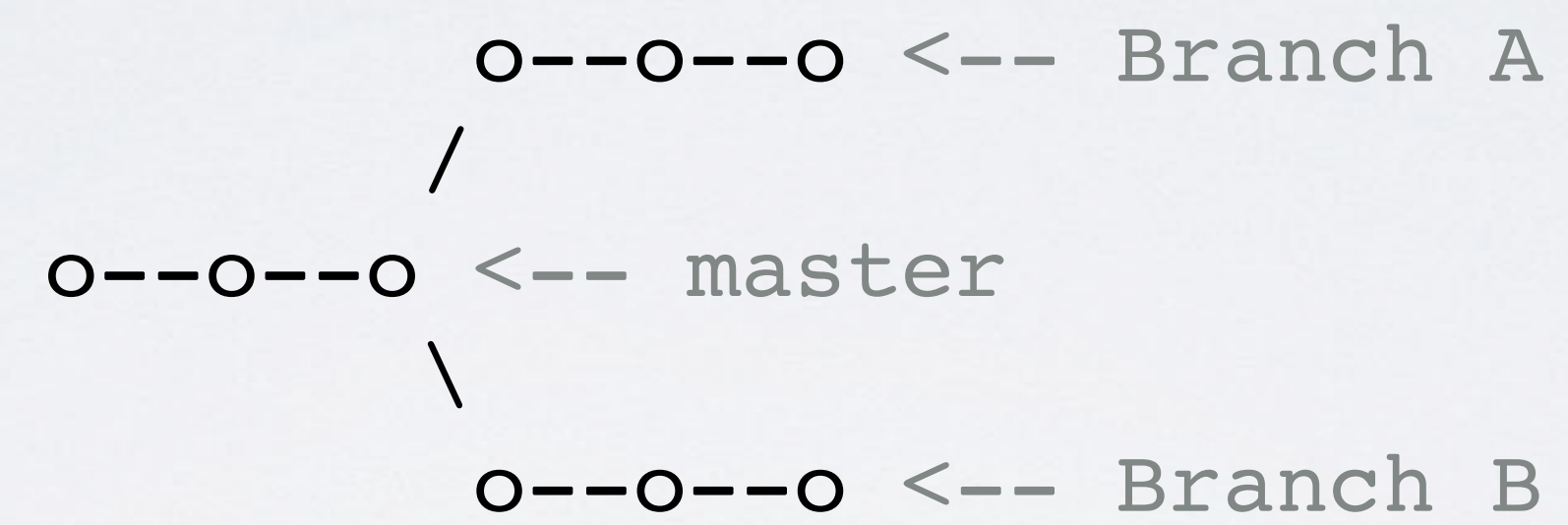


# THE WORKFLOW

- This diagram quickly helps me remember how the Git workflow operates overall.
- Always keep in mind that Git functions not only as version control technology, but as a way to manage a directory of files with (or without) a group of people seamlessly.
- The end result of a complete workflow is a final directory of your project files, including its history.

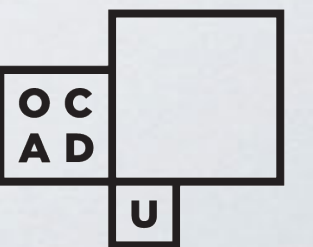


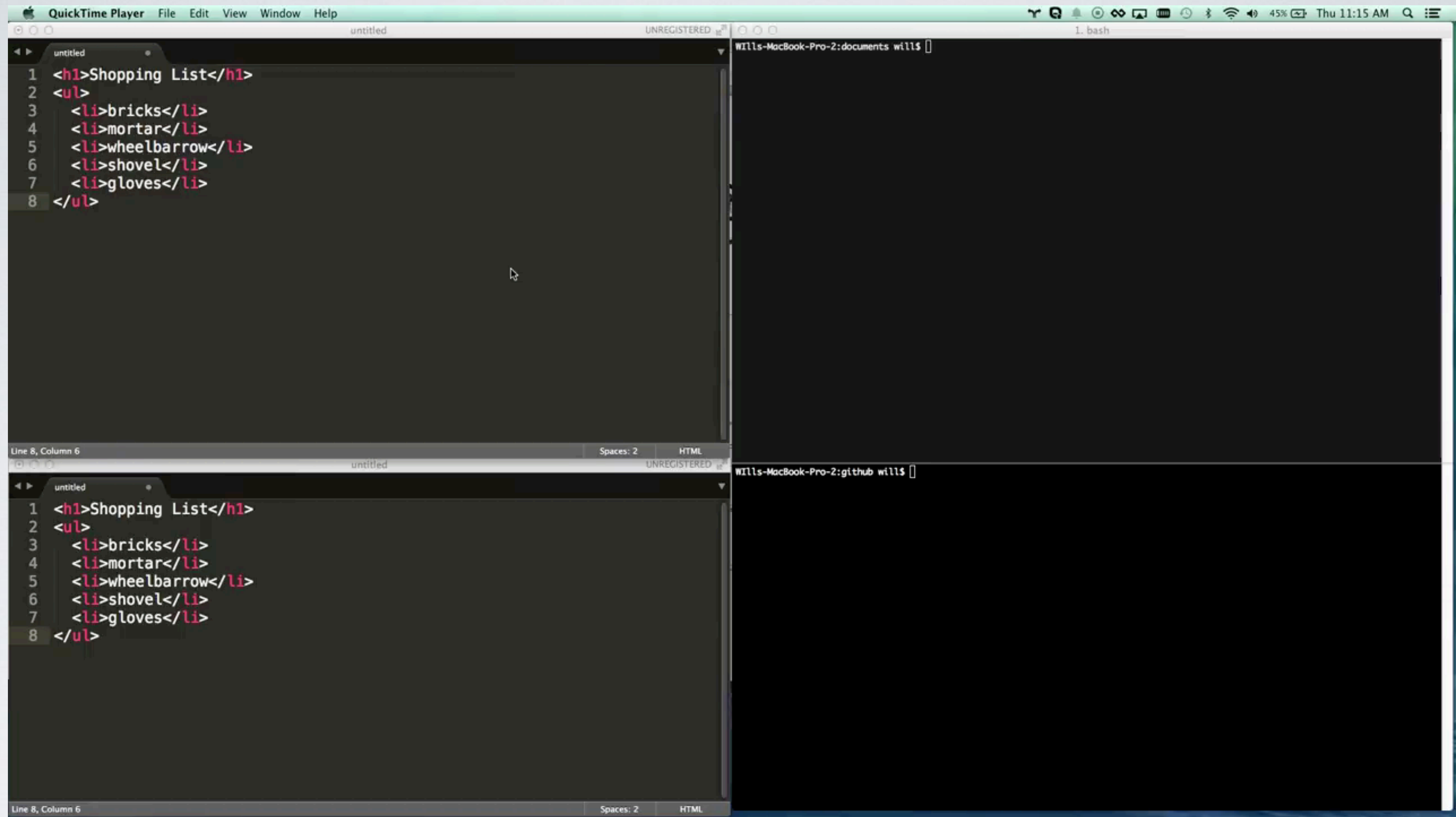
# HISTORY DIAGRAMS



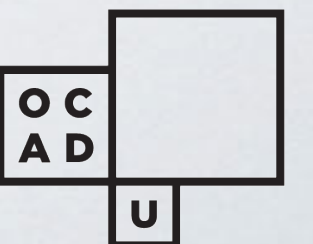


# HOW TO USE GIT





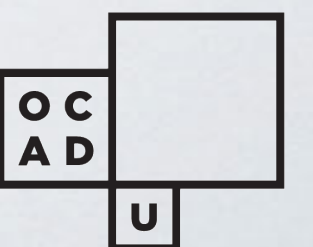
[Click here to see the video](#)





# SUMMARY

- Top 6 git commands
- git clone
- git status
- git add
- git commit
- git push
- git pull



# LEARN MORE

## Learn the Command Line

Discover the power of this simple, yet essential text-based tool and increase your productivity

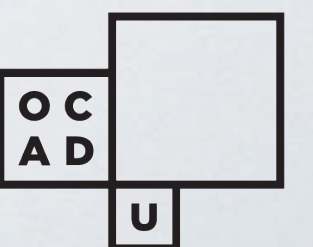
🕒 3 Hours

## Learn Git

Learn to save and manage different versions of your code projects with this essential tool

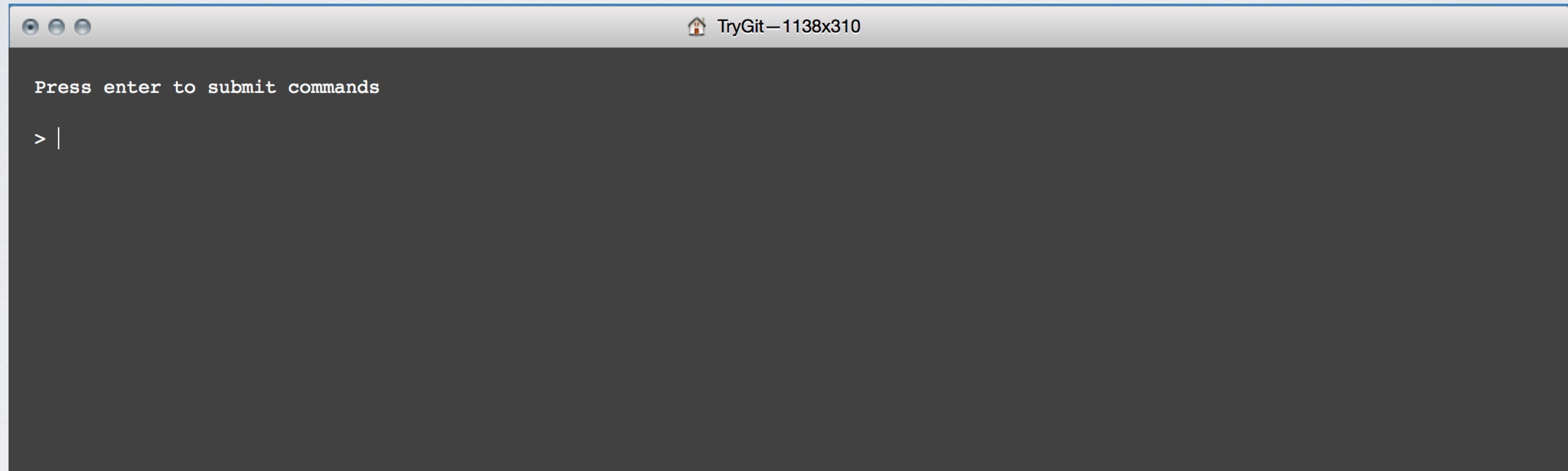
🕒 2 Hours

<https://www.codecademy.com>





# LET'S TRY IT TOGETHER



<https://try.github.io>

