git: the basics

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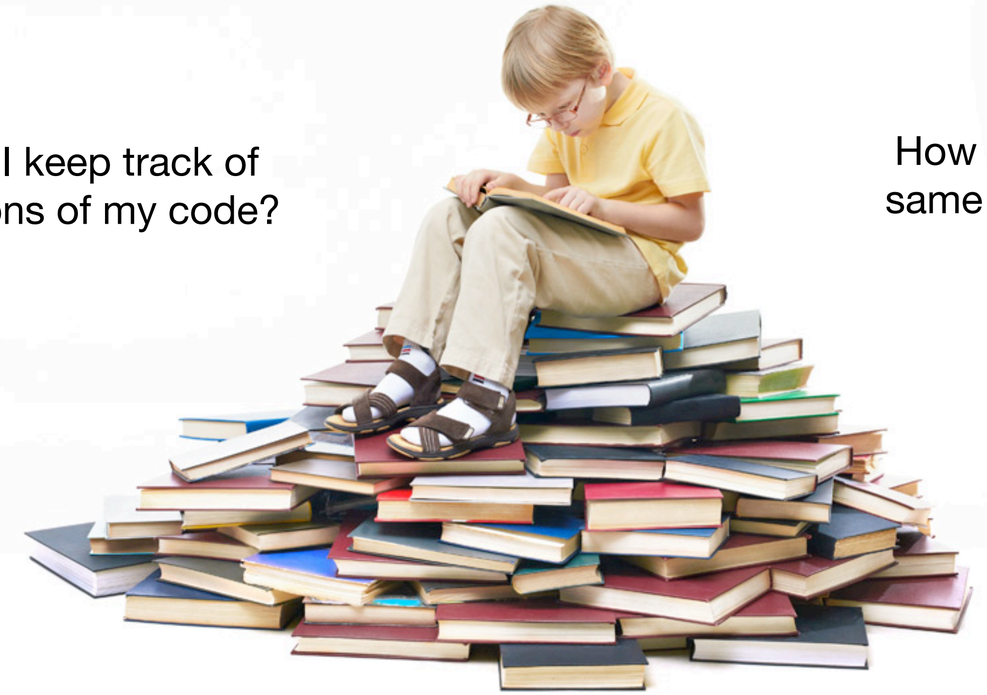
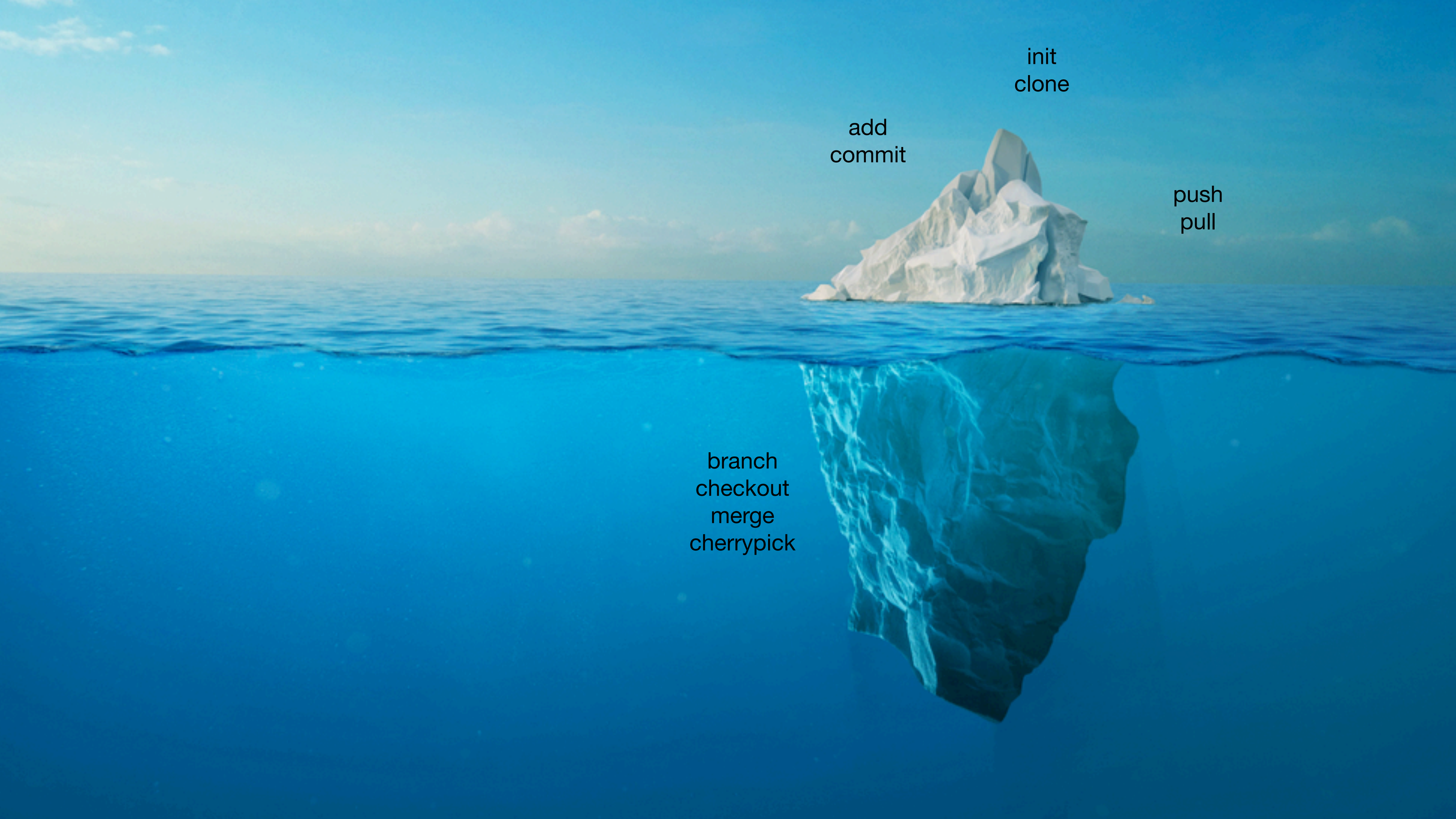
What is git?

How do I keep track of old versions of my code?



How do I work on the same codebase as my team?


init
clone
add
commit
push
pull
branch
checkout
merge
cherrypick

A few words on git philosophy

Git wisdom

- git is based on verbs (“add”, “commit”, “pull”, “push”)
- The best way to learn it is by using it (collaboratively)
- There’s no “right” way to use it
- It’s cheap to commit, costly to lose data
- When in doubt, ask a friend

How do I get started?

Installing git

- Ubuntu: `sudo apt install git-all`
- Mac OSX: (it should already be installed, trying typing `git` in the terminal)
- Windows: https://git-scm.com/download/win

More details: https://git-scm.com/book/en/v2/Getting-Started-Installing-Git

Collaborative practice

Resources

- Github cheat sheet: https://training.github.com/downloads/github-git-cheat-sheet/
- Github community forums: https://github.community/
- Visual cheat sheet: https://ndpsoftware.com/git-cheatsheet.html
- Visual git tutorial: https://learngitbranching.js.org/?locale=en_US