Practical computing... a day in the life
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Git basics

Git is version control software – it’s a way to keep track of how your code changes as you write it (and go back to how it was if you need to!)
Git basics

Git is also a way to share, collaborate and contribute to code projects. In git language, a repository (repo) is a project.
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Git versus Github

Git is the version control software - it’s the software keeping track of the changes/versions

Github is a website that allows you to store the version information off your computer (and therefore share etc)

Github users have IDs (ex. hpliner)

Accounts are free, private repositories are not (you can get a free student account with private repos with your UW email)
Git basics

To get someone else’s repo, or put your repo on a different computer, you “clone” the repo.
Git commands recap

- `git clone [repo website link]`
- `git status`
- `git add -A`
- `git commit -m "message"`
- `git push`
- `git pull`
- `git init`
- `git branch [branch name]`
- `git checkout [branch name]`

Tons of great documentation, including videos, here: https://git-scm.com/doc
You cloned the repo you needed, now what?
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Read the docs!!!!!!
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Although... if it’s just your lab’s/friend’s software, there might not be much...
You cloned the repo you needed, now what?

Ok, you read the docs, but you still aren’t sure exactly what’s going on...

Luckily, you learned python in genome 373!