Git vs GitHub

- [ ] Git, itself, is an Open Source tool originally created by Linus Torvalds (creator of Linux).

- [ ] GitHub is a commercial (for profit) company based in San Francisco, whose goal is to make using Git as easy as possible.

- [ ] GitHub layers a lot of special sauce and extra features on top of Git, but you can use Git on your own, or use a different 3rd party service such as GitLab or BitBucket.

- [ ] You can also install and configure your own Git server if you want full control.

A few basic terms and concepts

☐ Every project is hosted in a "repository".

☐ Repositories can be *public* (anyone can view, download, and potentially contribute to your code) or *private* (only you, and people you invite, can view or interact with your code).

☐ Public repositories are *free*, but private repositories require a *paid* GitHub account (currently $7/mo).

☐ Git automatically creates a permanent history of all changes you've ever made to your project, and you can easily *go back in time* to retrieve older versions of your code if you mess something up.