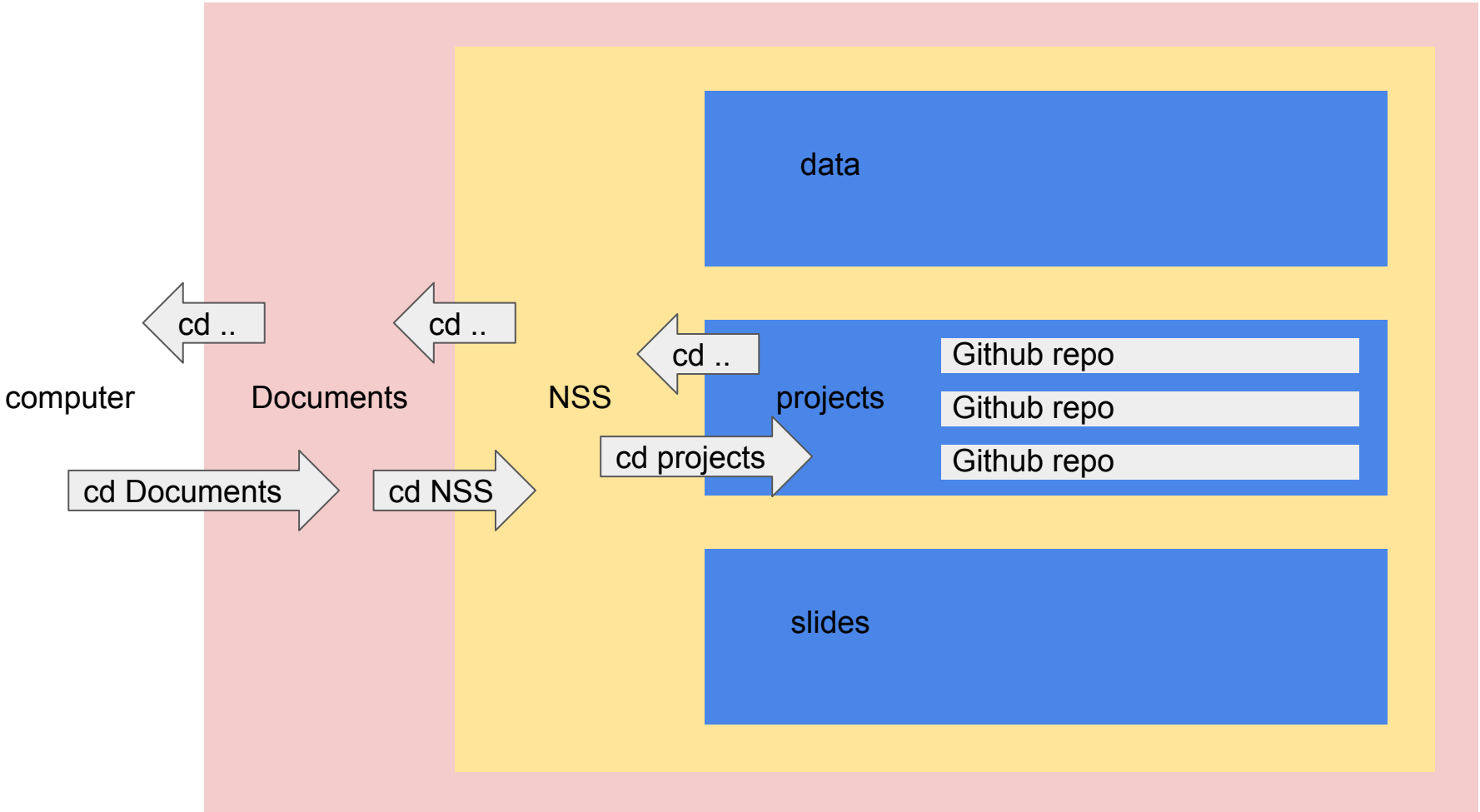
Visualizing git on your computer

Vocab / commands

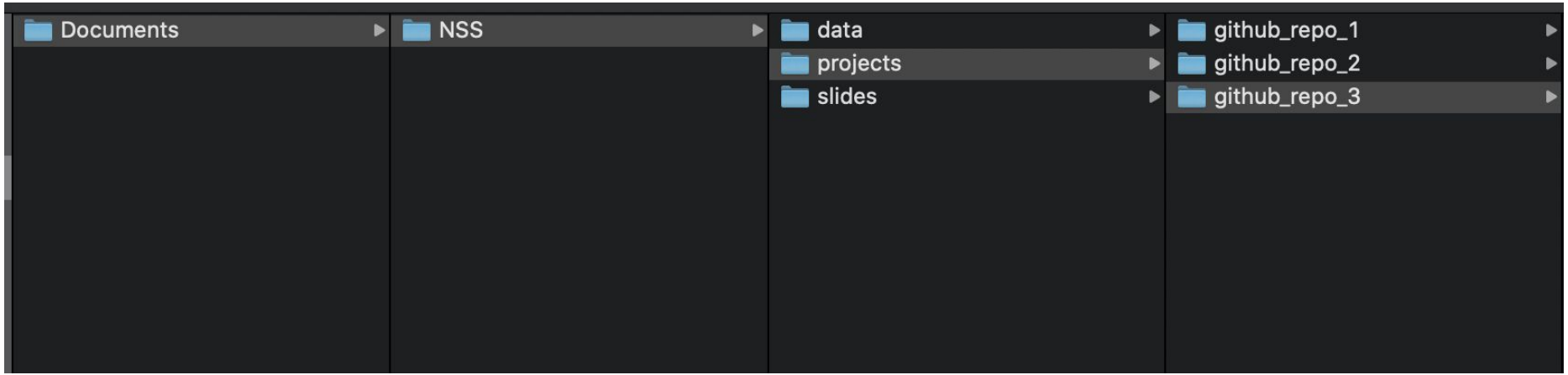
- Directory = a folder in your computer structure, any folder can also be called a directory

- gitbash/terminal commands:
  - **cd <directory>** = change directory, used to move into directories, sub <directory> with the actual name of the directory
  - **cd ..** = used to move up one directory level
  - **ls** = list, lists all contents of current directory
  - **pwd** = print working directory, shows path from root directory (where you start when you first open up gitbash/terminal) to your current directory location

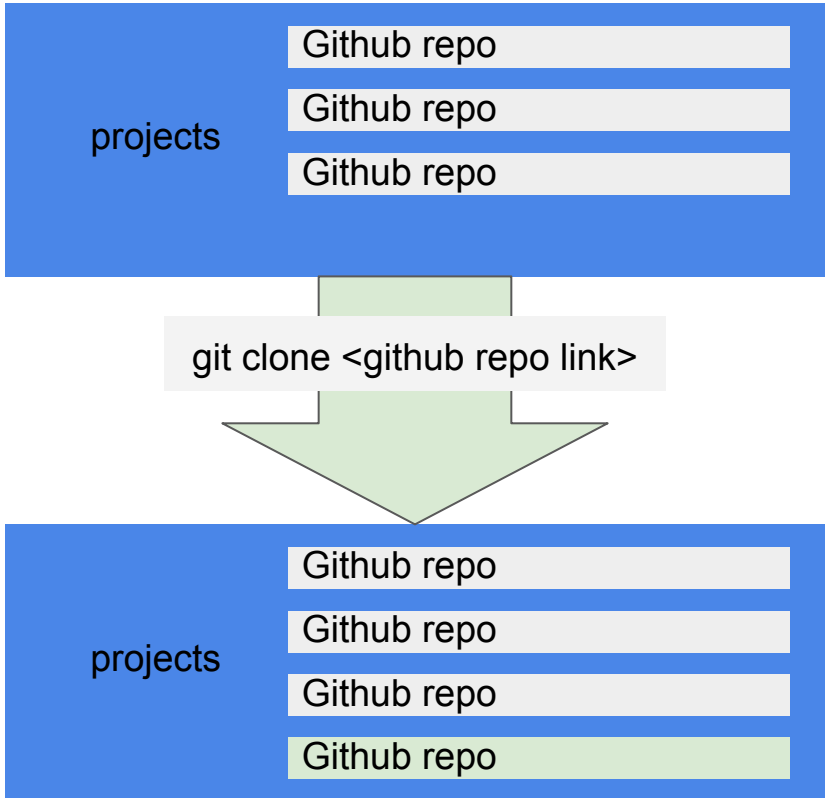
Your computer contains directories within directories. To move between directory levels you use **cd**



Here is how the same file structure would look on your computer

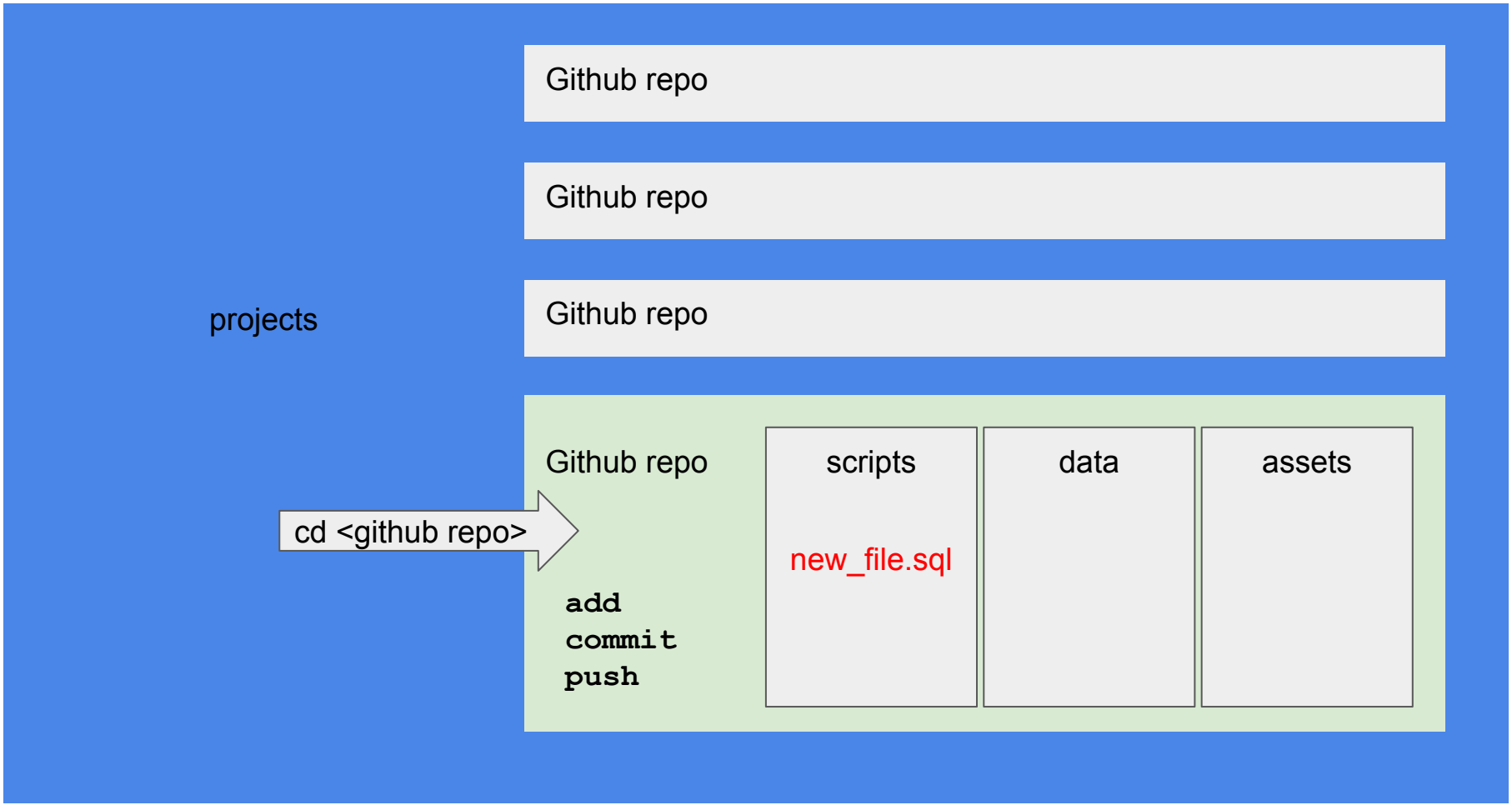


When you **clone** a repo from github, it creates a new directory with the repo contents inside. This is why it's important to **always clone in the projects directory**

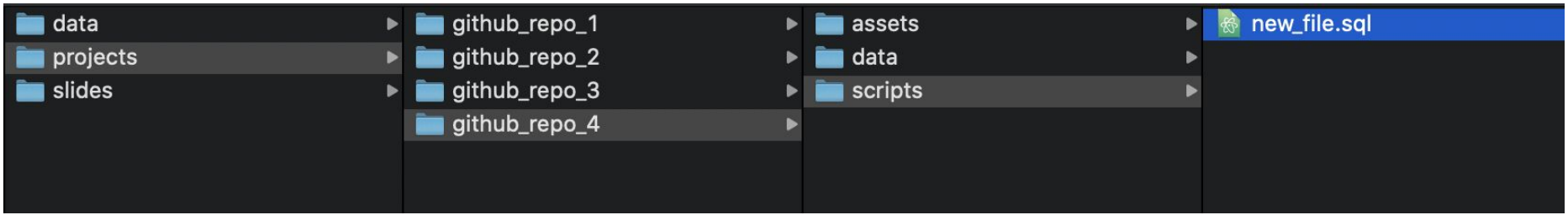


You can see the newly created directory in your file explorer

To do any git commands in your repository (**add, commit, push)**, you need to first move into it



New files in your repo can also be seen in your file explorer



If you are not in a repo, no git commands will work. You can check for the **.git** which indicates a repository

projects

```
$ git add .

fatal: Not a git repository (or any of the parent directories): .git
```

Github repo .git

Github repo .git

Github repo .git

Github repo

.git

scripts

new_file.sql

data

assets