

What is Git and GitHub?

Introduction to Computer Programming (Python)

Week 1

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<https://vtneil.com>

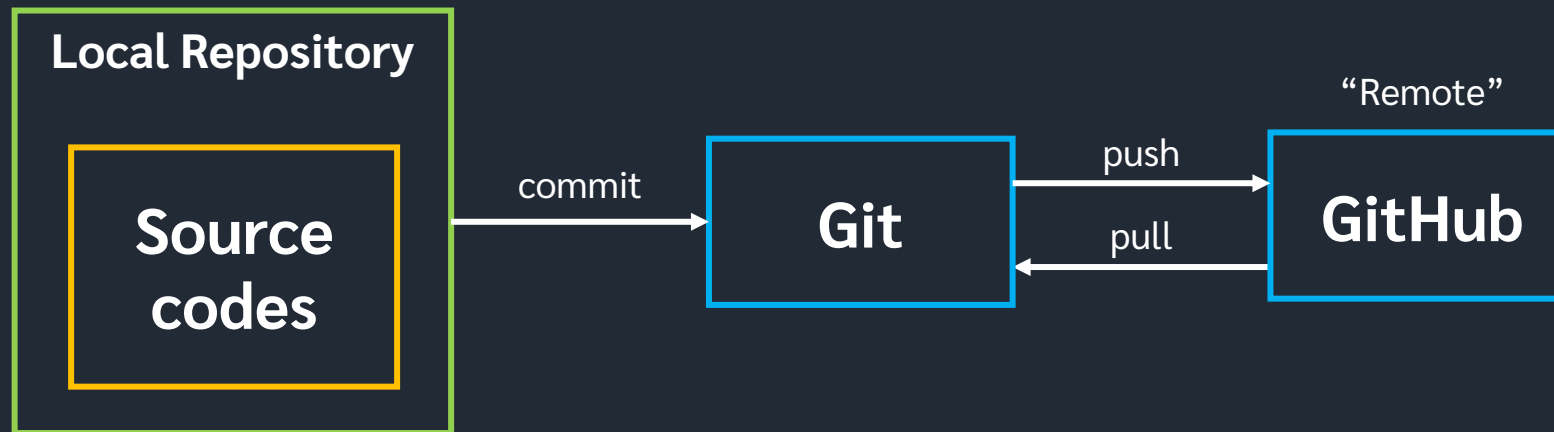
Git & GitHub

What is it?

Git is a file version manager which is used for managing source codes so that every changes you made will be saved (like a checkpoint when programming).

A **Git** repository can have many branches for different versions of source codes, there is one special “master” or “main” branch which is the primary (default) branch for every repository.

GitHub is a remote repository online. Local Git repository can “sync” versions, files, and changes with GitHub online.

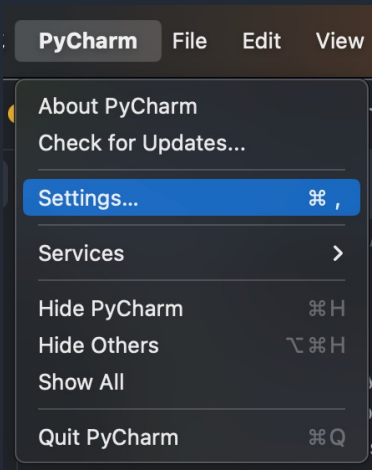


Simple diagram, partially true

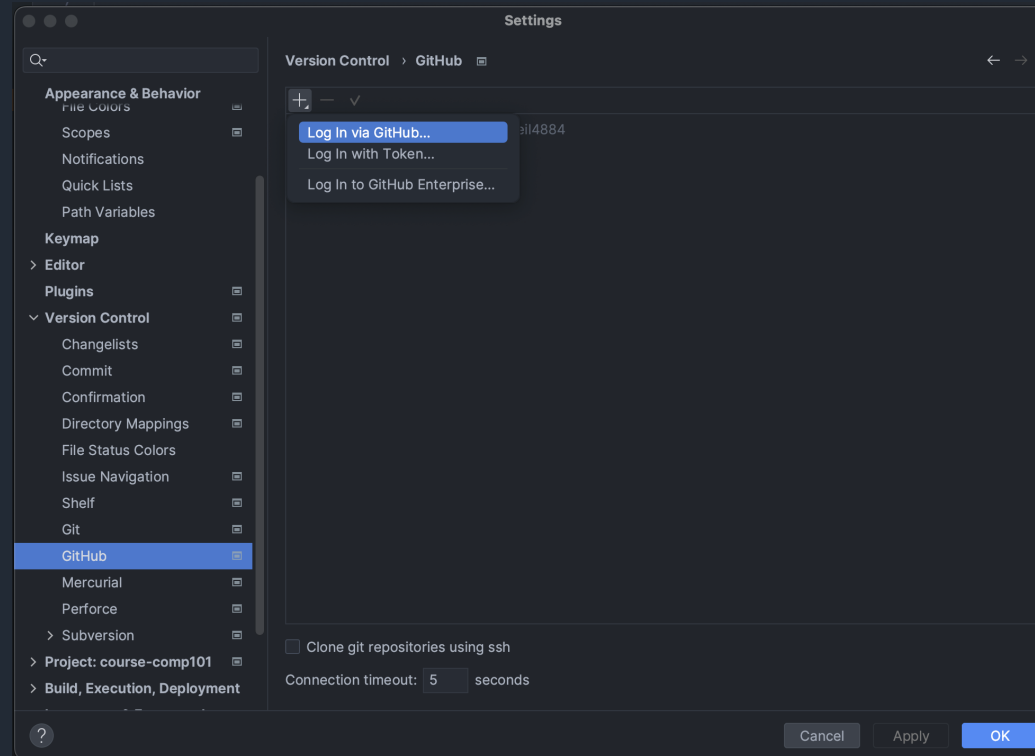
Git & GitHub

Setting up in JetBrains IDE

1. Go to IDE settings



2. Go to Version Control > GitHub > Log in via GitHub...



Git & GitHub

Setting up in JetBrains IDE

3. Join SPACE AC GitHub Organization
4. Join GitHub Classroom
5. Accept Assignment