# Configuration and Authentication:

Books/tutorials tend not to talk about this. But it is usually the first problem Git users run into when they try to work remotely.

1. SSH keys: stored in ~/.ssh
2. Generate new key: remember the passphrase
3. If Git asks for passphrase every time you pull or push:

Open SSH agent: eval $(ssh-agent)

Add personal SSH key: ssh-add

# Collaboration:

Pull = fetch+merge

# View commit history:

* git log, with a lot of options
* But mostly can be done on GitHub, so omitted

# Undo changes:

* Add to last commit
* Unstage changes: restore
* Remove from working tree: reverse changes on local hard drive

Git checkout: Any local changes you made to that file are gone

# Branches

1. Create branches
2. Merge branches and conflicts

* Happens 99% of the time
* Need to solve by hand