

VACATION CLASS

INTRO TO GIT

Week 1

05 September 2025

YEM DARO



WHAT'S A GIT ???

- **Version Control System**
- **A Time Machine for your code**

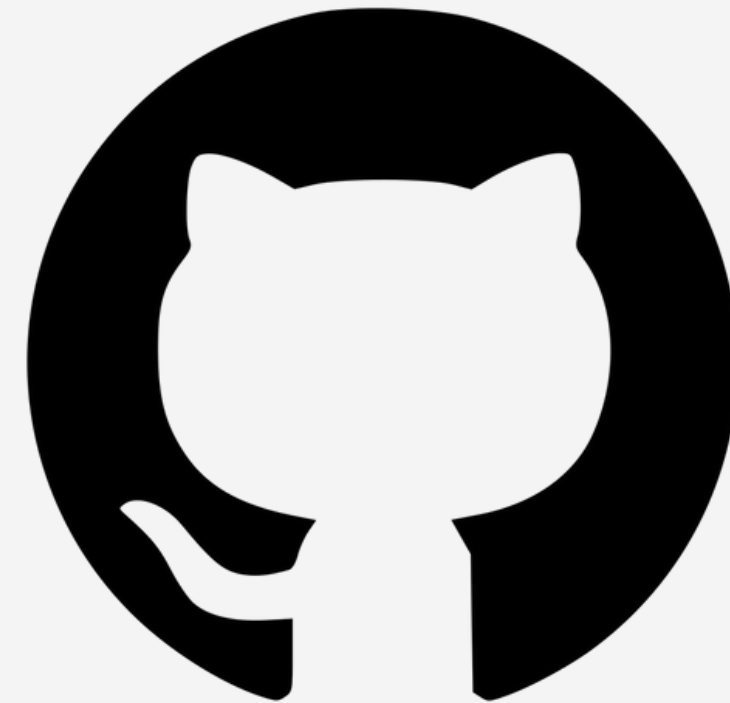


WHAT'S A GIT ???

- Git is not Github



Version Control Tool



Platform to store your code

GETTING STARTED

- **Install Git** <https://git-scm.com....>
- **Install Github CLI** <https://cli.github.com/>
(For easy login)
(not needed, if you already
have Github Desktop)

GIT PLATFORM



- **Github**



- **Store your code**
- **Easy development with team**

TERMINOLOGY

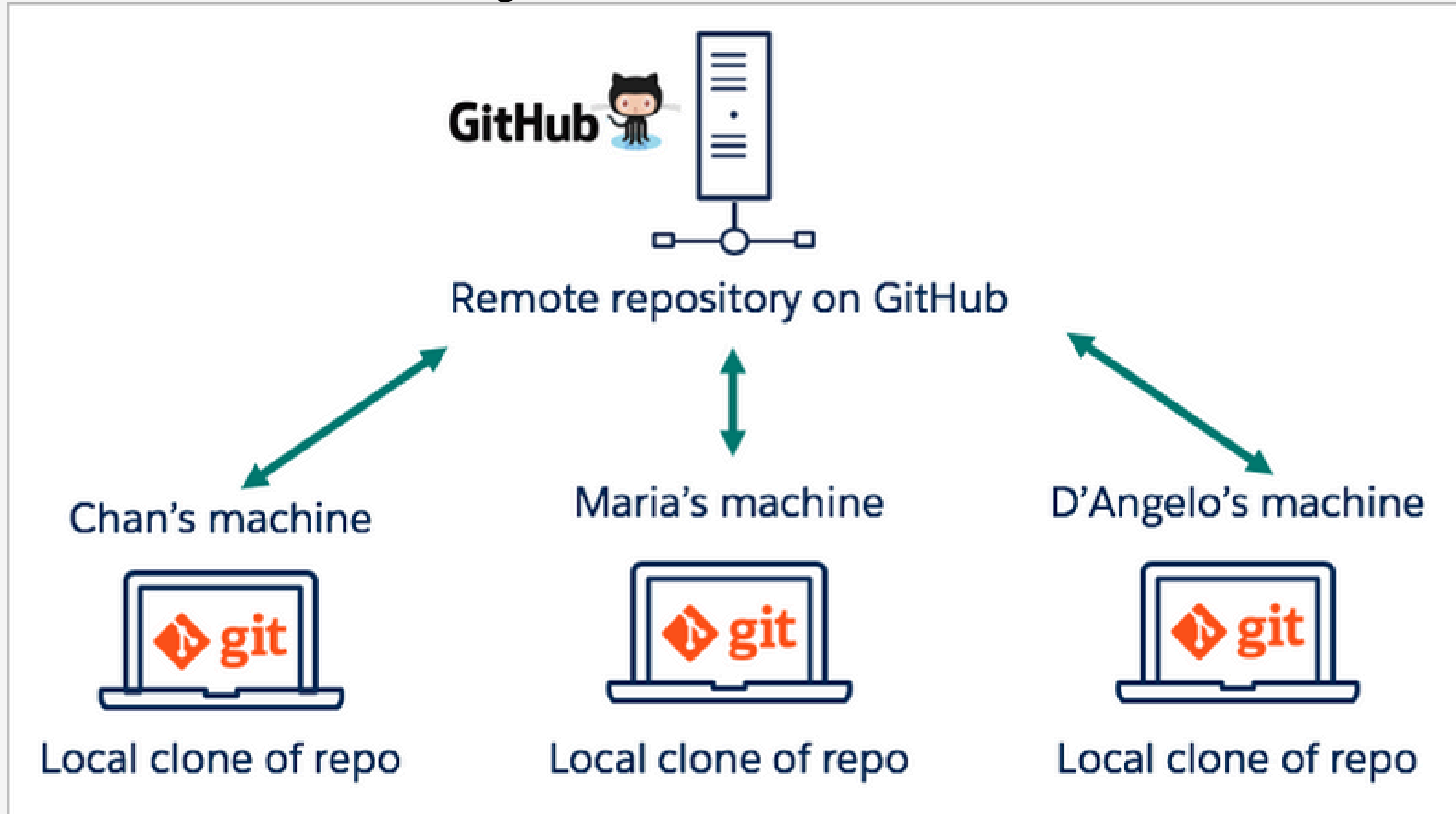
- **Repository:** Project tracked by Git. It stores all your code and history.
- **Commit:** Version of your code at a specific point in time.
- **Branch:** Separate line of development.
(A group of commits)

TERMINOLOGY

- **Repository:** Project tracked by Git. It stores all your code and history.
- **Commit:** Version of your code at a specific point in time.
- **Branch:** Separate line of development.
(A group of commits)

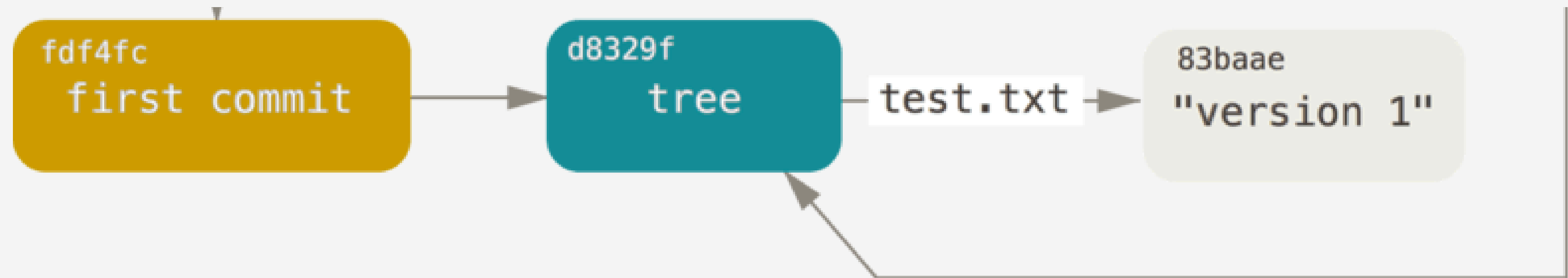
TERMINOLOGY

- **Repository:** Project tracked by Git. It stores all your code and history.



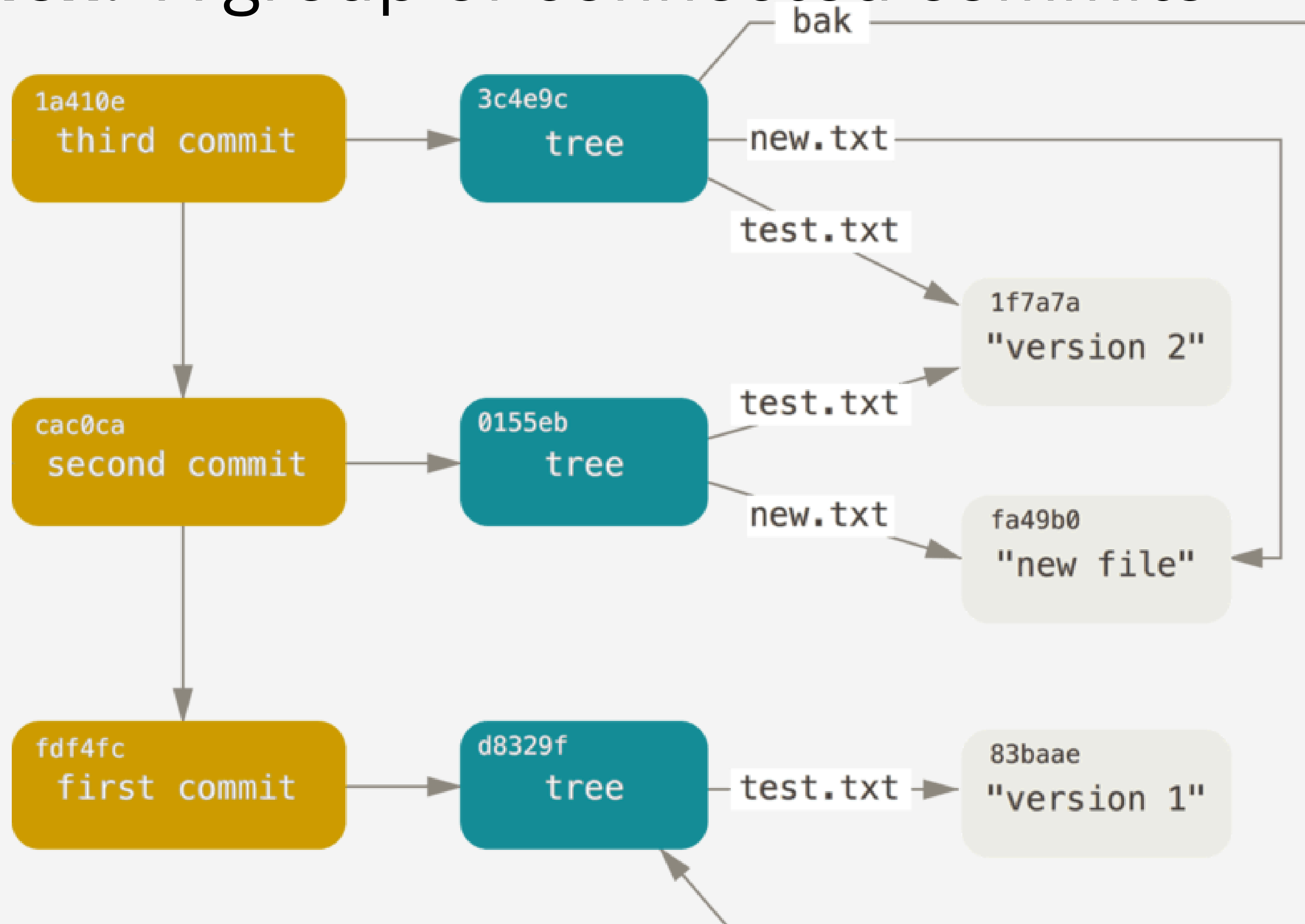
TERMINOLOGY

- **Commit:** Version of your code at a specific point in time.



TERMINOLOGY

- **Branch:** A group of connected commits

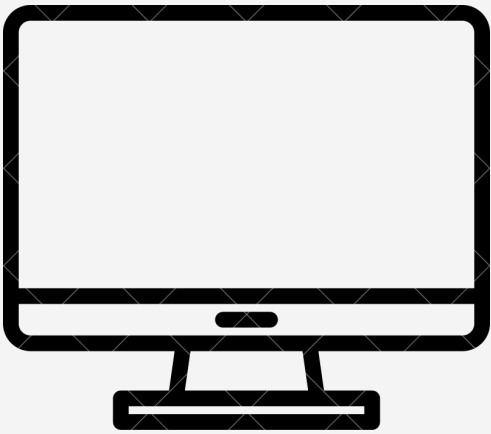


SIMPLE WORKFLOW



Code

commit

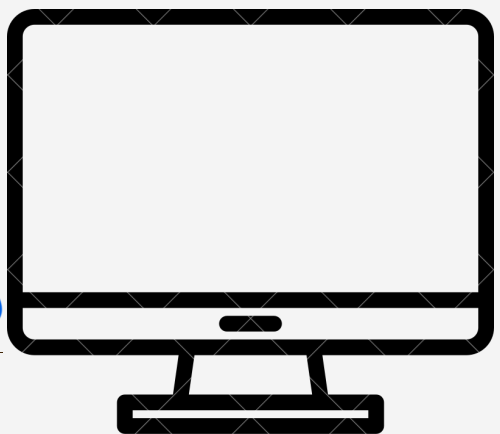


local

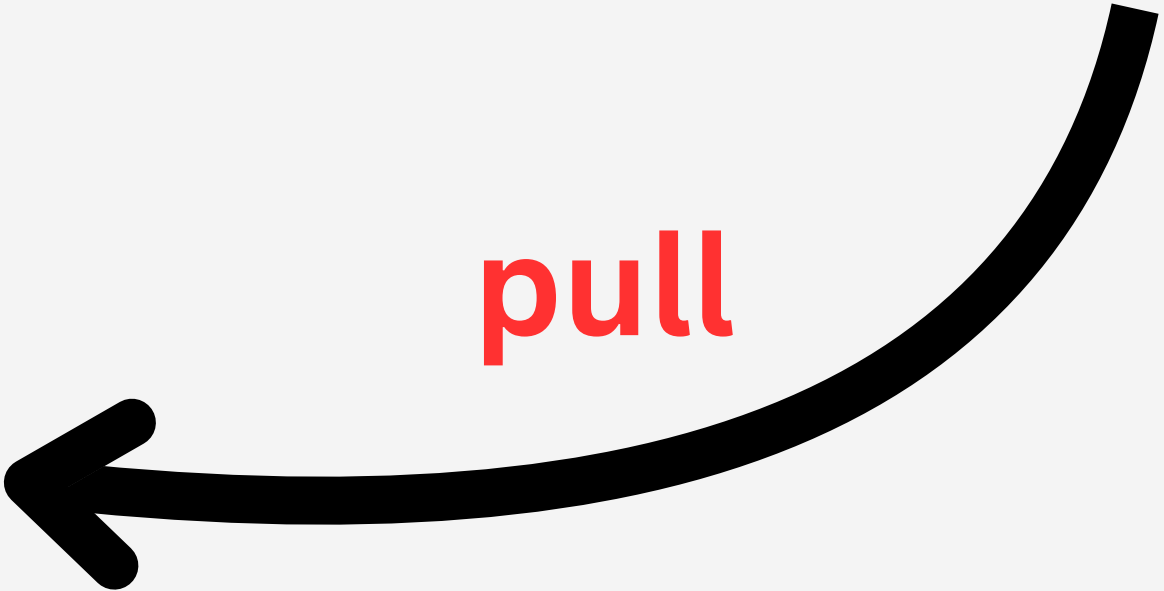
push



remote



pull



SETTING UP

9

- **git config --global user.name "John Doe"**
- **git config --global user.email "abc@gmail.com"**

To use VSCode as editor

- **git config --global core.editor "code --wait"**

SURVIVAL KIT



g

- **git init:** Create a git repository in your project
- **git add <Filename>**
- **git commit -m “YOUR MESSAGE HERE”**
- **git branch <name>:** to create a new branch
- **git checkout <branch name>:** switch branch

SURVIVAL KIT



g

- **git clone** <link to repo>: download a git repo
- **git push** <remote> <branch name>: upload your commit
- **git pull** <remote> <branch name>:

Learn more

https://www.youtube.com/watch?v=Uuszj_k0DGsg