

## **Pulling and Merging with Git**

**Data Boot Camp** 

Lesson 7.2



#### **Class Objectives**

By the end of today's class, you will:



Pull a branch from GitHub.



Merge branches with Git.



Open, review, and merge pull requests.



Continue work on Project 1.



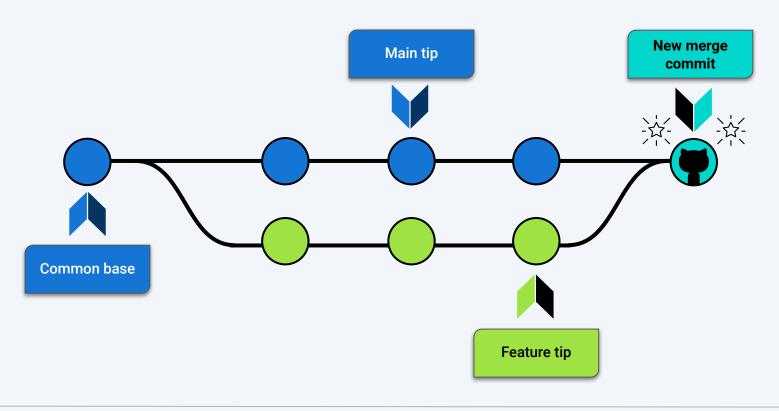
### **Instructor Demonstration**

Merging with Git and GitHub



#### **Branches in Git**

A branch is a timeline and history of changes.



#### **Branch in Git**

There are many benefits to developing on a separate branch.



Recent commits in git log are only your own



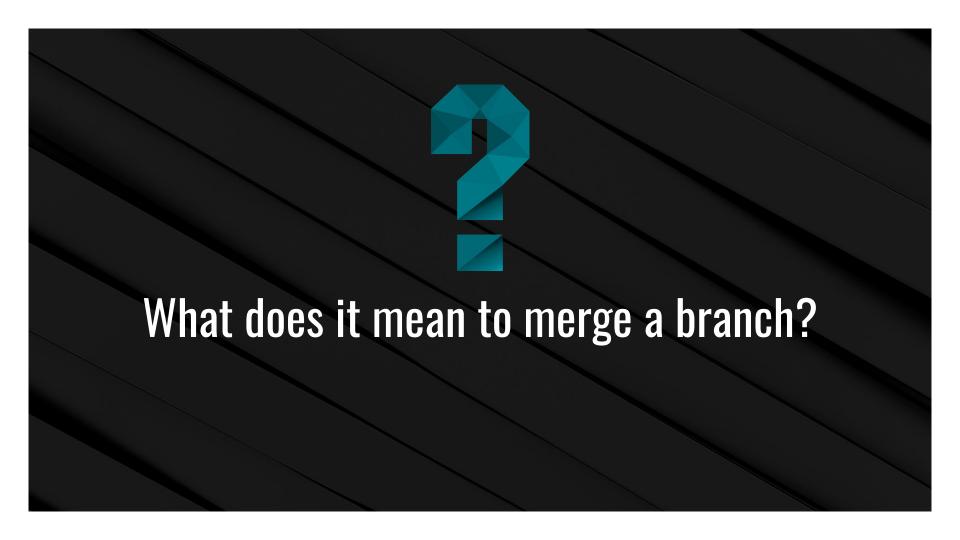
Checkout old commits without affecting the main branch.



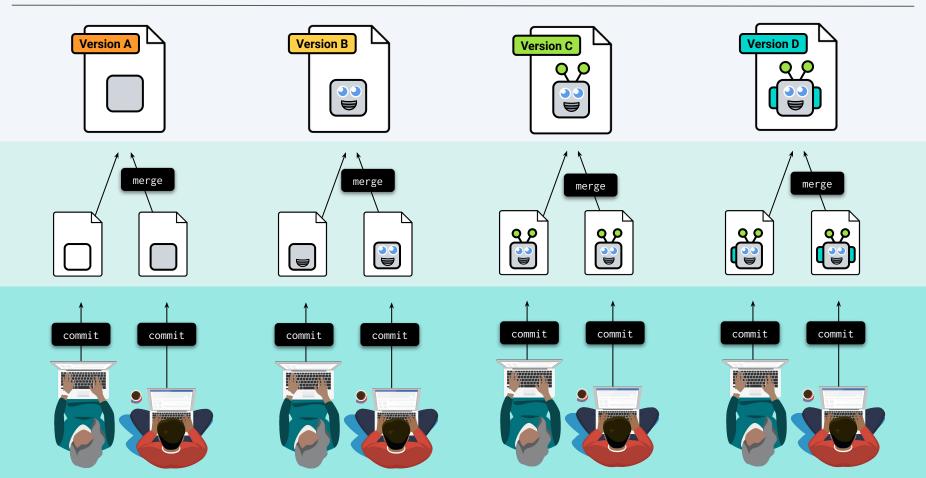
Edit and review changes safely.



Organize your development efforts.



#### **Merging Combines Two Branches**



#### **Merging Combines Two Branches**

Merging compares every pair of files' timelines.

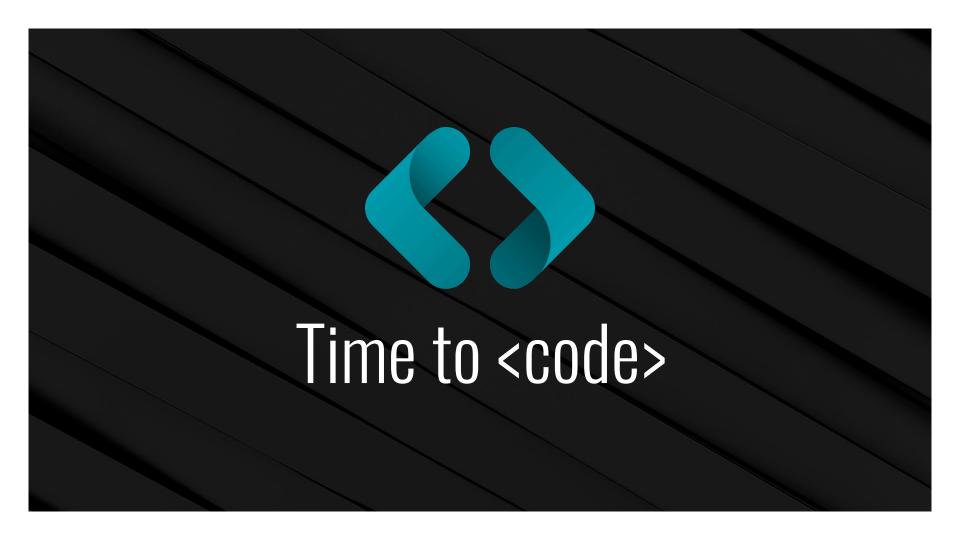
- Keep the most recent updates.
- "Resolve" changes that happen simultaneously.

It results in a single branch with every change!

When programming, we will work on separate branches from the main branch.

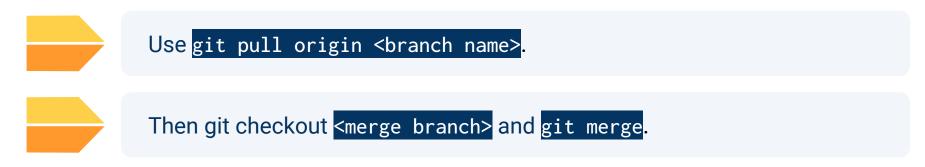
Once complete, we merge our changes back to main.

# We can merge branches by using our local repository or GitHub!



#### **Merging Branches**

Before you merge branches, make sure that the local branch is up to date with the remote branch.



Does the remote branch have new and exciting content, bug fixes, or improvements? Are you not ready to merge branches?





