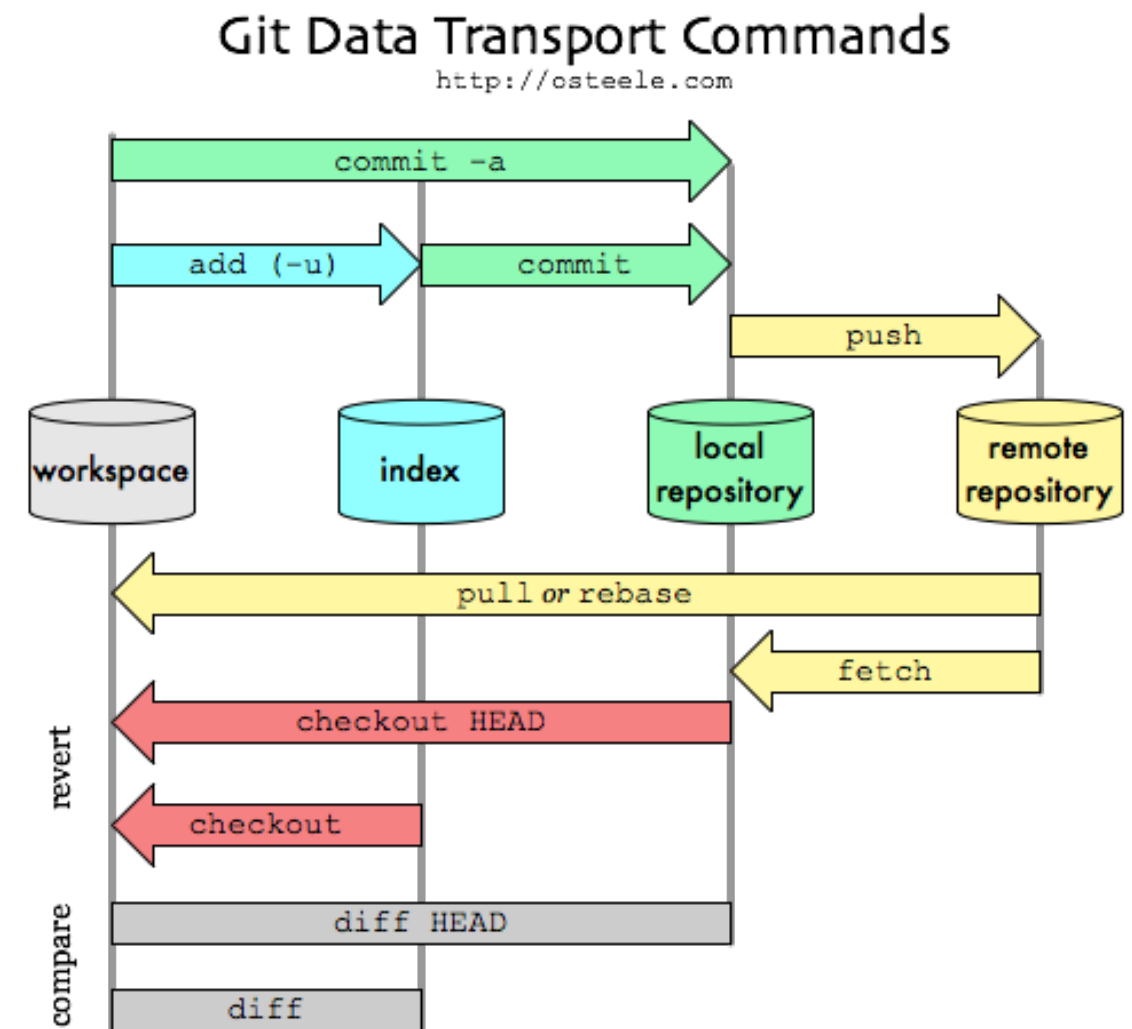


Remote repositories

- Check what remotes you have added:
 - `$ git remote -v`
- Manually add new remote
 - `$ git remote add <optional shortname> <url>`

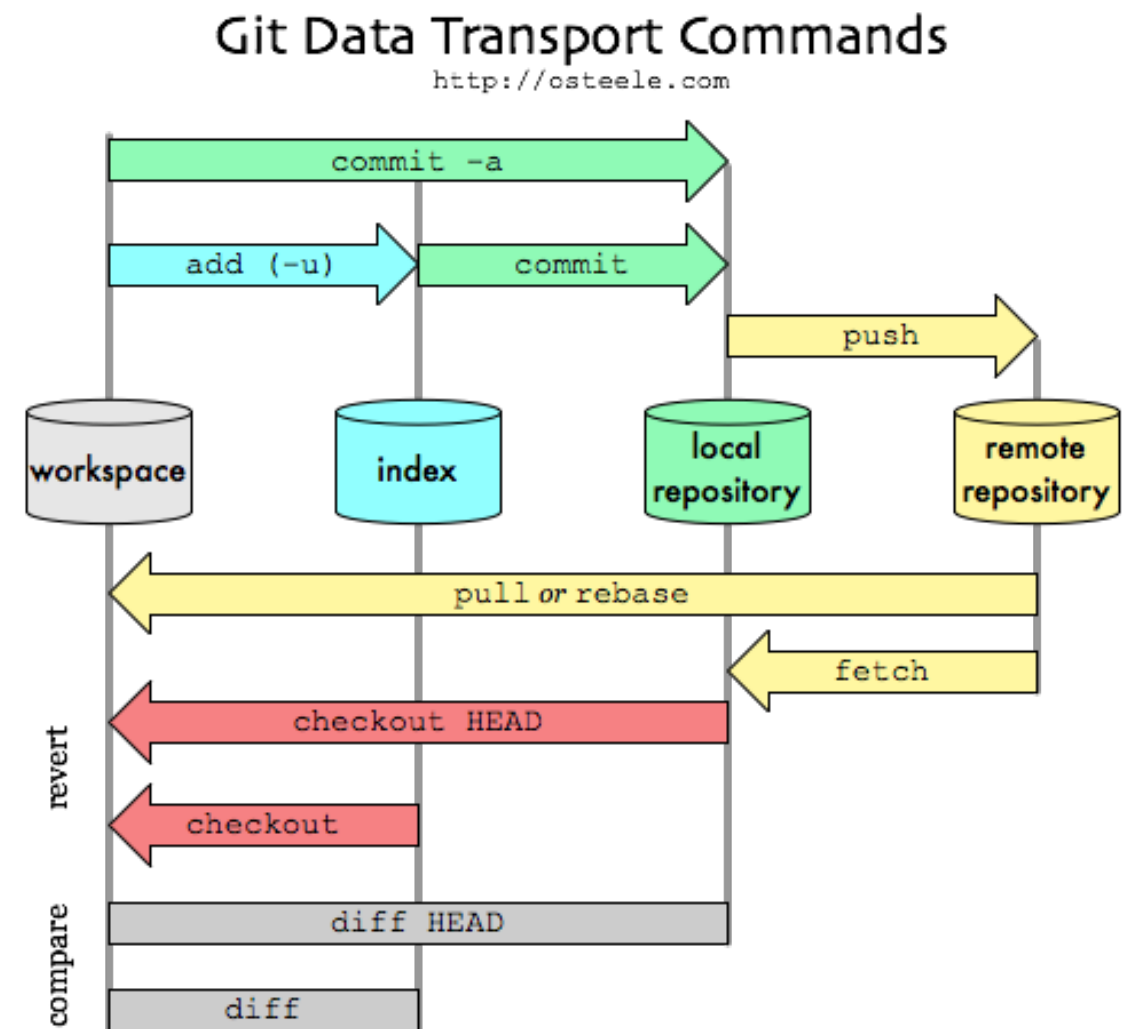
Remote repositories

- Get the data from the remote repo, add it to your local repo:
 - `$ git fetch`
- Get the data from the remote repo, and check it out
 - `$ git pull`

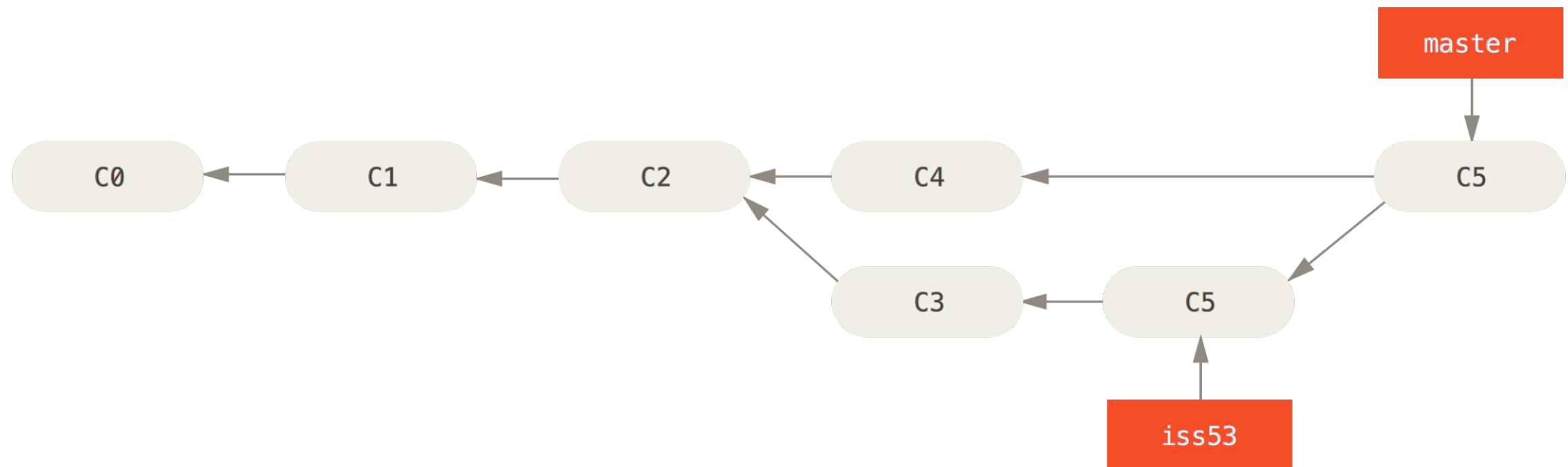


Remote repositories

- Send the files from your local repo to the remote repo:
 - `$ git push`

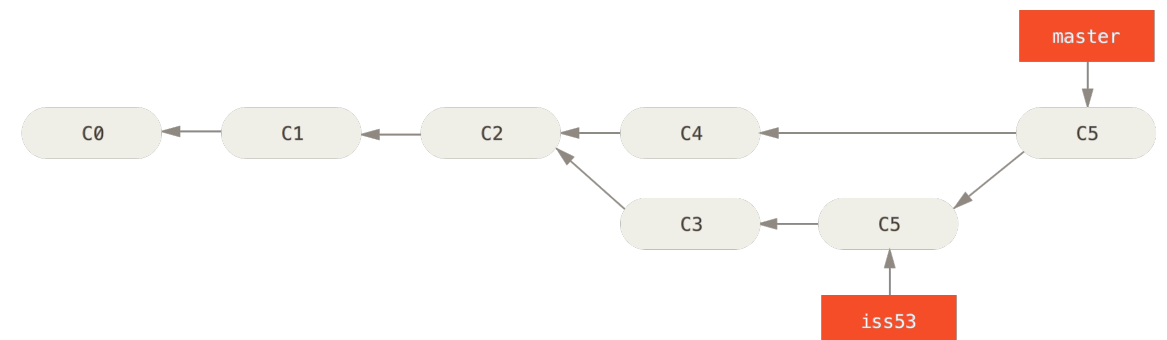


Branches



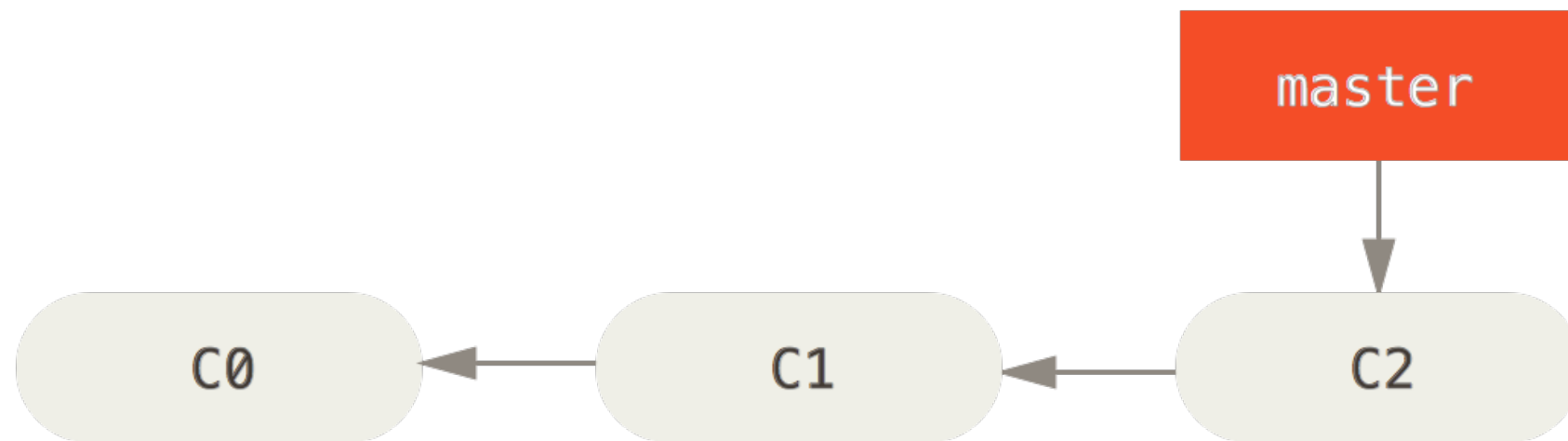
Branches

- Branches are pointers to a particular commit
- Allow you to work on parts of large projects individually
- Keep a stable working version of the code



Branches

- So far:

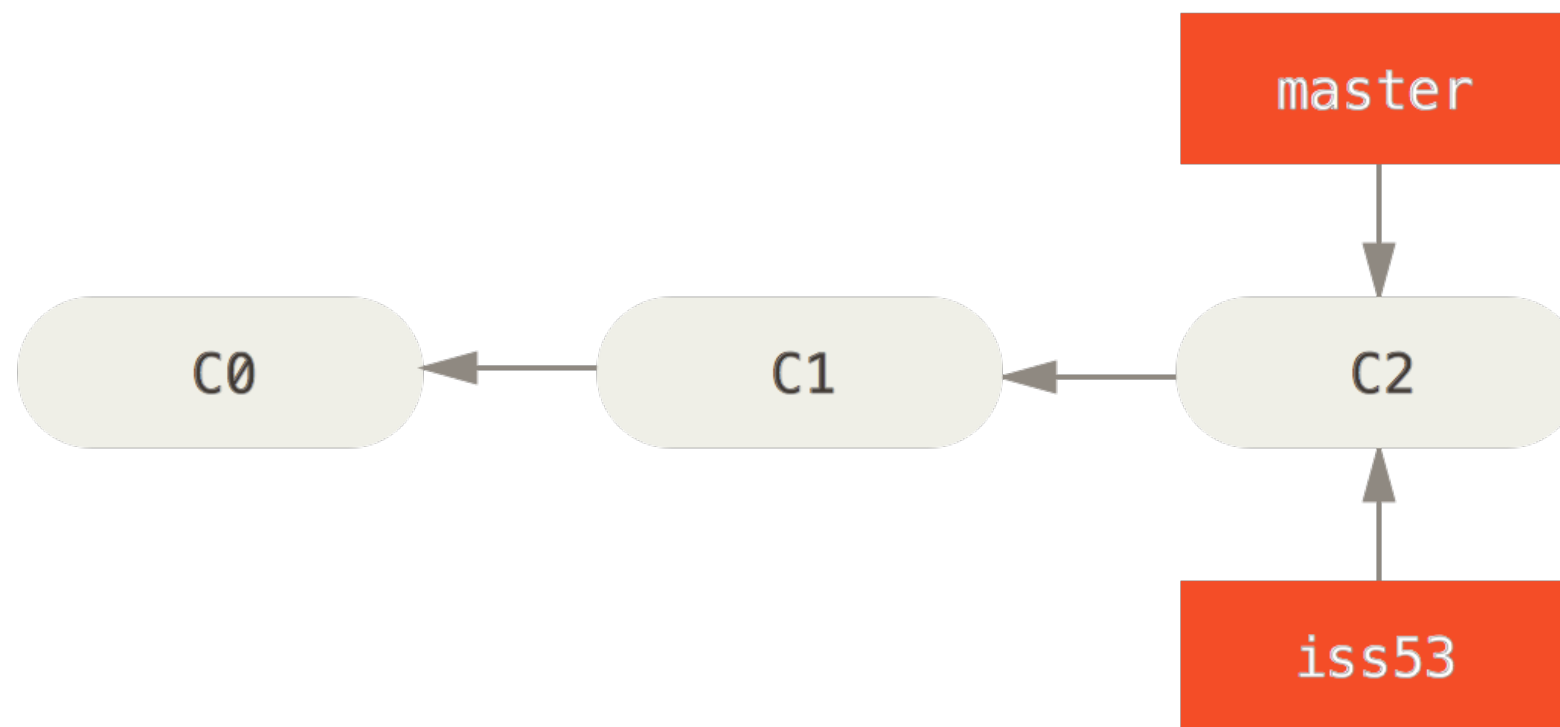


Branches

- Create a new branch:
 - `$ git branch <branch name>`
- Switch to the new branch
 - `$ git checkout <branch name>`
- Create & switch to new branch
 - `$ git checkout -b <branch name>`
- Wait, where am i?
 - `$ git branch`

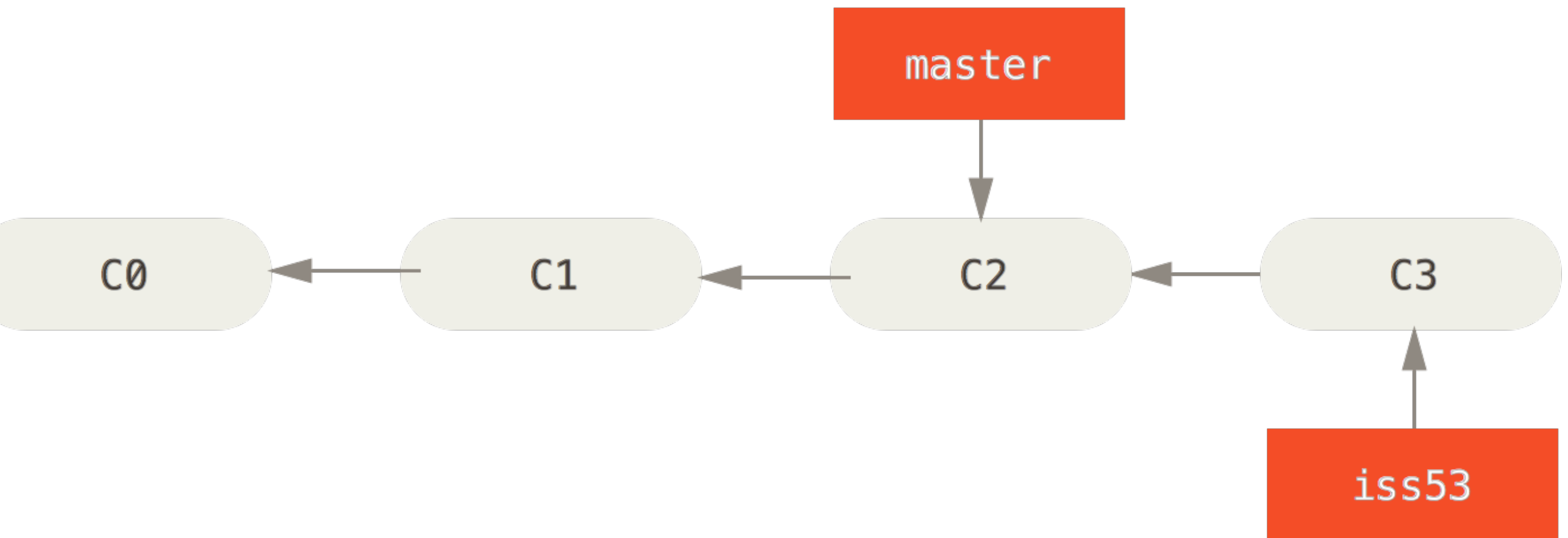
Branches

- Adding a branch does this:



Branches

- Doing a commit on a branch does this:

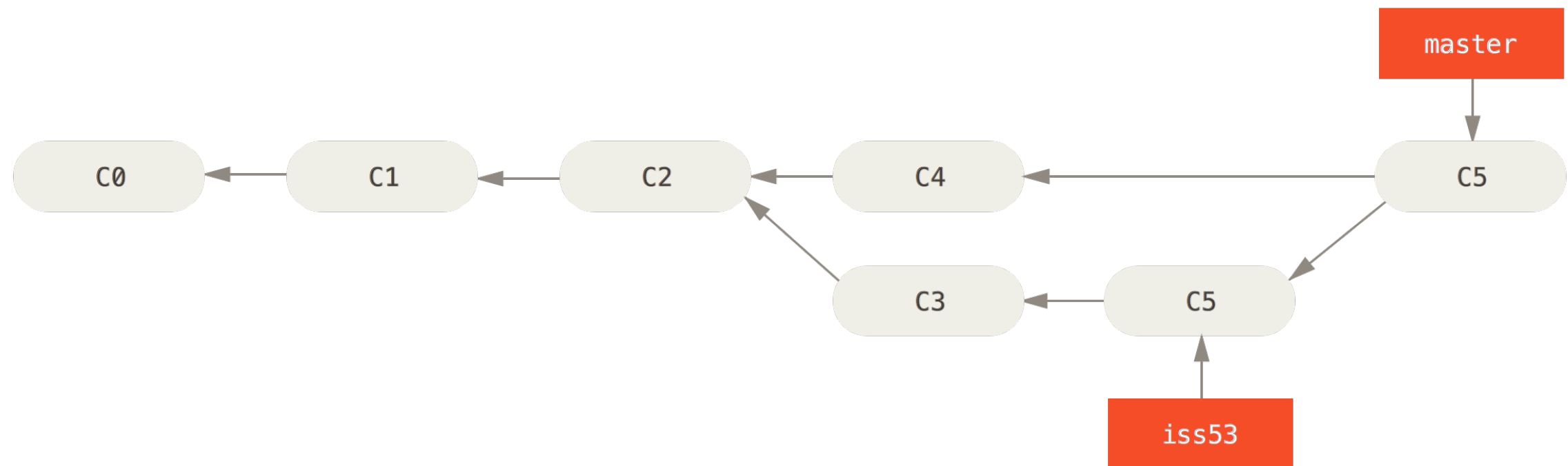


Branches

- Merging branches
 - `$ git checkout master`
 - `$ git merge <branch name>`
- If the merge is successful, and you are down with the branch
 - `$ git branch -d <branch name>`

Branches

- Changes from the branch are merged into the master branch



Retrieving old versions

First, find the correct version

- `git log`

This gives you all the commits made and the messages associated.

```
commit 157dcdde57e3a8fe3989113754380ada07a86fda
Author: Jon <jambler24@gmail.com>
Date:   Wed May 18 13:04:48 2016 +0200
```

Added new version of the notes

```
commit 9578fa5e6bb3c707660baec5e8e9ac9ccd689505
Author: Jon <jambler24@gmail.com>
Date:   Thu May 5 11:53:05 2016 +0200
```

Added the slides from other lectures

Retrieving old versions

First, find the correct version

- `git log`

This gives you all the commits made and the messages associated.

- `git checkout <commit hash>`
- `git add <Restored file>`
- `git commit -m "Fixed it!"`