

A Fork-Based Pull Request

- A:** *If not done already:*
Create an empty repository on GitHub.
Name it `sample_[your name]`.
Connect your `sample` repo to it:
`git remote add origin [your_repo_url]`
Put your work on GitHub:
`git push origin master`
- B:** Relax.
- A:** Relax.
- B:** Navigate to their GitHub repo page, and fork their repo by clicking “Fork.”
Clone your fork from GitHub:
`git clone [your_fork_url]`
Connect your local clone to the original repo:
`git remote add upstream [their_repo_url]`
- A:** Working on master
(`git checkout master`):
Add a comment to the code in `R/square.R` that does the calculation.
Commit the work:
`git commit -a -m '...'`
Push the work to GitHub:
`git push origin master`
- B:** Working on a separate branch
(`git checkout -b my_branch`):
Add your name to the copyright notice in `README.md`.
Commit the work:
`git commit -a -m '...'`
Push the work to GitHub:
`git push origin my_branch`
- A:** Relax.
- B:** Grab their work:
`git checkout master`
`git pull upstream master`
Add their work to your fork:
`git push origin master`
Merge their work into your branch:
`git checkout my_branch`
`git merge master`
Add your merge to your fork:
`git push origin my_branch`
Go to the GitHub page for your fork. Find your branch `my_branch`. Click on “New Pull Request.”
Send them a message on the pull request page—you can tag them with `@[username]` and explain the work you’ve done. “Assign” them to review the pull request.
- A:** Go to your GitHub page. Find their pull request. Read their commentary and look at their code changes. Click on the line where they changed the copyright. Complain about it somehow—maybe that something should or should not be abbreviated.
- B:** Relax.
- A:** Relax.
- B:** Go to your pull request. Read their commentary.

Go to your branch:
`git checkout my_branch`
Fix the copyright in `README.md` to comply with
their request.
Commit your work:
`git commit -a -m '...'`
Push the work to your fork:
`git push origin my_branch`

A: Now you're happy. Click "Merge Pull Request" and confirm. Click "Delete Branch." **B:** Relax.

A: Update your local version of the codebase:
`git pull origin master`

B: Get the successfully merged version:
`git checkout master`
`git pull upstream master`
Update your fork:
`git push origin master`
Delete your local branch:
`git branch -d my_branch`
Delete your branch on your fork:
`git push origin :my_branch`