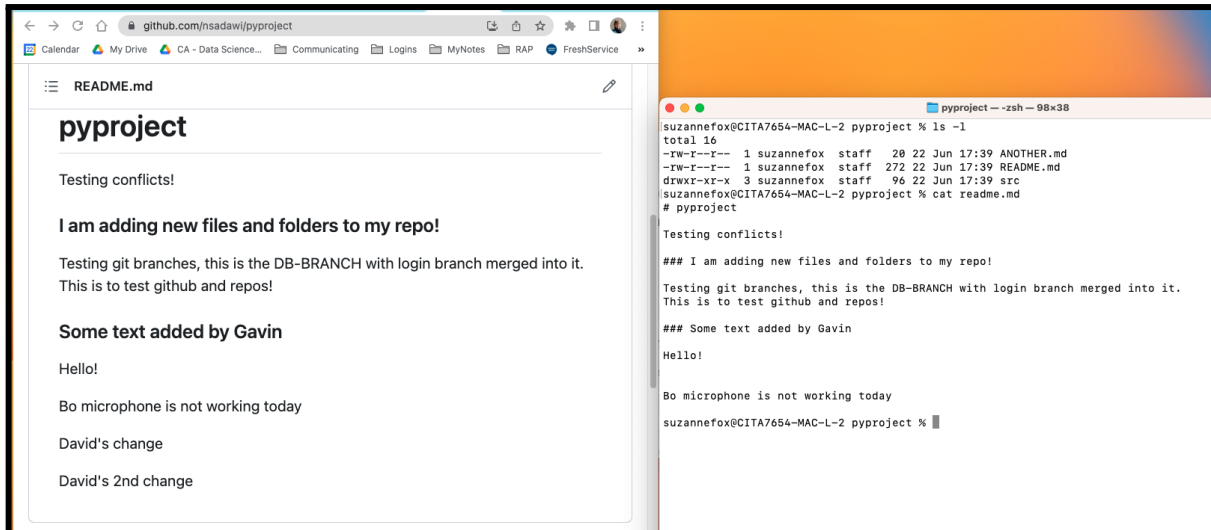


From last week - made a git clone cloned your repo into a local folder

You've merged changes to the README.md from Bo and David into your github repo, but they are not in my local version



But my local git thinks it's up to date with yours ? Don't understand why this is ? What is origin in this case ? is that your remote github repo, or my local one.

```
suzannefox@CITA7654-MAC-L-2 pyproject % git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
suzannefox@CITA7654-MAC-L-2 pyproject %
```

Anyway, ignoring that for the time being (wrongly I think) I make a branch and move to it (checkout in git-speak)

```
suzannefox@CITA7654-MAC-L-2 pyproject % git branch
* main
  suzanne
suzannefox@CITA7654-MAC-L-2 pyproject % git checkout suzanne
Switched to branch 'suzanne'
suzannefox@CITA7654-MAC-L-2 pyproject % git branch
main
* suzanne
suzannefox@CITA7654-MAC-L-2 pyproject %
```

I make an edit to the README.md file

```
suzannefox@CITA7654-MAC-L-2 pyproject % nano README.md
[suzannefox@CITA7654-MAC-L-2 pyproject % cat readme.md
# pyproject

Testing conflicts!

### I am adding new files and folders to my repo!

Testing git branches, this is the DB-BRANCH with login branch merged into it.
This is to test github and repos!

### Some text added by Gavin

Hello!

Bo microphone is not working today

Suzannes edit

suzannefox@CITA7654-MAC-L-2 pyproject %
```

Then I add, commit and push

```
suzannefox@CITA7654-MAC-L-2 pyproject % git add .
suzannefox@CITA7654-MAC-L-2 pyproject % git commit -m "suzanne change"
[suzanne 7e8d424] suzanne change
1 file changed, 2 insertions(+)
suzannefox@CITA7654-MAC-L-2 pyproject % git push origina main
fatal: 'origina' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
suzannefox@CITA7654-MAC-L-2 pyproject % git push origin main
Username for 'https://github.com': CA-DS-SFox
Password for 'https://CA-DS-SFox@github.com':
To https://github.com/nsadawi/pyproject.git
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/nsadawi/pyproject.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
suzannefox@CITA7654-MAC-L-2 pyproject %
```

So, I checkout my local main branch, then pull from the origin/main branch

```
suzannefox@CITA7654-MAC-L-2 pyproject % git pull
remote: Enumerating objects: 17, done.
remote: Counting objects: 100% (17/17), done.
remote: Compressing objects: 100% (11/11), done.
remote: Total 15 (delta 8), reused 8 (delta 4), pack-reused 0
Unpacking objects: 100% (15/15), 393.14 KiB | 2.55 MiB/s, done.
From https://github.com/nsadawi/pyproject
   191e2c8..9b0e188  main      -> origin/main
Updating 191e2c8..9b0e188
Fast-forward
 README.md | 7 ++++++-
 suzanne - github pyproject.pdf | Bin 0 -> 421353 bytes
 2 files changed, 6 insertions(+), 1 deletion(-)
 create mode 100644 suzanne - github pyproject.pdf
```

Then I need to merge the changes from my suzanne branch into the (local) main branch

```
suzannefox@CITA7654-MAC-L-2 pyproject % git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
suzannefox@CITA7654-MAC-L-2 pyproject % git branch
* main
  suzanne
```

```
suzannefox@CITA7654-MAC-L-2 pyproject % git merge suzanne
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.
suzannefox@CITA7654-MAC-L-2 pyproject %
```

I have a CONFLICT because your origin/main (and now my local/main) was updated after my suzanne branch.

Trying to resolve this I get into a knot, delete the README.md from my local main branch, but can't seem to realign my local main with the remote main, because git thinks they are up to date

```
suzannefox@CITA7654-MAC-L-2 pyproject % git branch
* main
  suzanne
suzannefox@CITA7654-MAC-L-2 pyproject % ls -l
total 832
-rw-r--r--  1 suzannefox  staff      20 22 Jun 17:39 ANOTHER.md
drwxr-xr-x  3 suzannefox  staff      96 22 Jun 17:39 src
-rw-r--r--  1 suzannefox  staff  421353 29 Jun 15:07 suzanne - github pyproject.pdf
suzannefox@CITA7654-MAC-L-2 pyproject % git pull
Already up to date.
suzannefox@CITA7654-MAC-L-2 pyproject %
```

