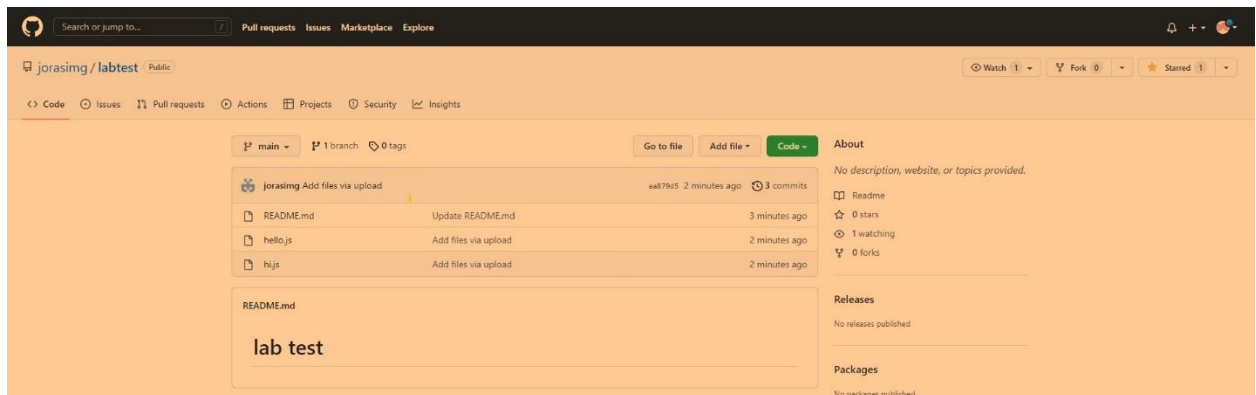# Practice with all the third party repositories commands from the slides:

Assume we are working with the following
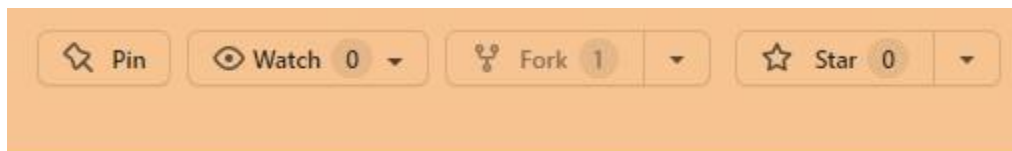upstream: `https://github.com/bellaxing/cs445-labs`

1. Star the repository

2. Watch the repository for any changes

3. Fork the repository

4. Clone your forked repository into your local machine

```
PS C:\Users\esreg\Music> git clone https://github.com/esregmi/445lab.git
Cloning into '445lab'...
remote: Enumerating objects: 19, done.
remote: Counting objects: 100% (19/19), done.
remote: Compressing objects: 100% (12/12), done.
remote: Total 19 (delta 2), reused 6 (delta 1), pack-reused 0
Receiving objects: 100% (19/19), done.
Resolving deltas: 100% (2/2), done.
PS C:\Users\esreg\Music>
```
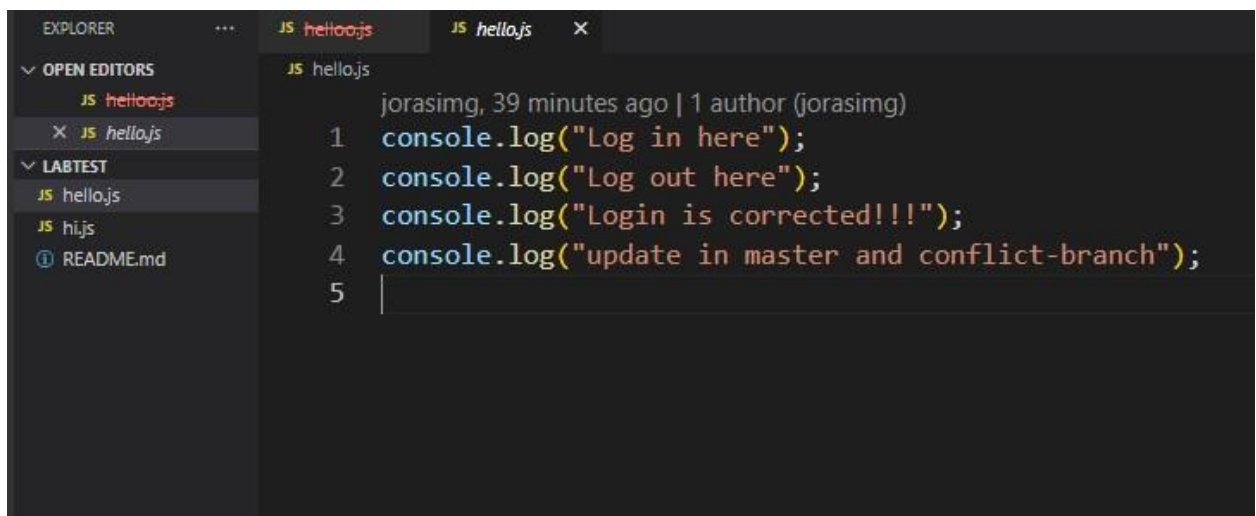
5. Create a new topic branch using studentId-studentName format, For example: 610001-JohnSmith

```
PS C:\Users\esreg\Desktop\labtest> git branch 4160-Joras
PS C:\Users\esreg\Desktop\labtest> git branch
  4160-Joras
* main
PS C:\Users\esreg\Desktop\labtest>
```

6. Checkout your new branch

```
PS C:\Users\esreg\Desktop\labtest> git checkout 4160-Joras
Switched to branch '4160-Joras'
PS C:\Users\esreg\Desktop\labtest>
```

7. Add a new file with your name, example: hello.js

```
EXPLORER                 JS helloo.js        JS hello.js   ✕
∨ OPEN EDITORS           JS hello.js
    JS helloo.js                  jorasimg, 39 minutes ago | 1 author (jorasimg)
  ✕ JS hello.js           1       console.log("Log in here");
∨ LABTEST                 2       console.log("Log out here");
  JS hello.js             3       console.log("Login is corrected!!!");
  JS hi.js                4       console.log("update in master and conflict-branch");
  ⓘ README.md            5       |
```

8. Commit the changes

```
PS C:\Users\esreg\Desktop\labtest> git commit -m "first change"
[4160-Joras 95b497e] first change
 1 file changed, 1 insertion(+)
 create mode 100644 helloo.js
```
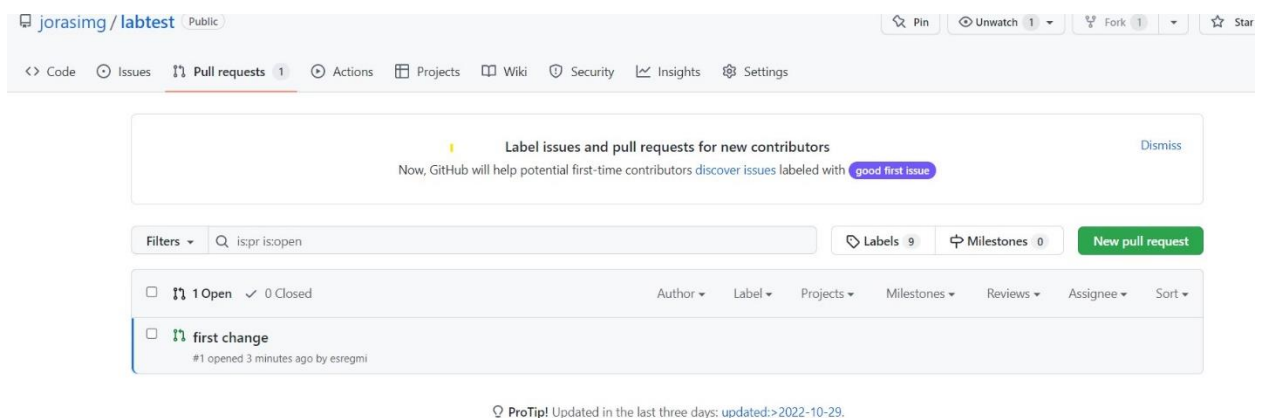
9. Merge your studentId-studentName branch with the main branch

```
PS C:\Users\esreg\Desktop\labtest> git merge 4160-Joras
Updating aa879d5..95b497e
Fast-forward
 helloo.js | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 helloo.js
PS C:\Users\esreg\Desktop\labtest>
```

10. Push your changes to the remote repo

```
PS C:\Users\esreg\Desktop\labtest> git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 369 bytes | 369.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/esregmi/labtest.git
   aa879d5..95b497e  main -> main
PS C:\Users\esreg\Desktop\labtest>
```

11. Create a new Pull Request to the upstream repo

jorasimg / labtest Public

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first change
#1 opened 3 minutes ago by esregmi

ProTip! Updated in the last three days: updated:>2022-10-29.