

<https://github.com/josedmyt/learning-about-version-control/commits/main/>

```
(base) josed@JMDMYT25 ~/git/block3/522/learning-about-version-control (main)
$ git push
To github.com:josedmyt/learning-about-version-control.git
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'github.com:josedmyt/learning-about-version-control.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

```
(base) josed@JMDMYT25 ~/git/block3/522/learning-about-version-control (main)
$ git pull origin main
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 975 bytes | 37.00 KiB/s, done.
From github.com:josedmyt/learning-about-version-control
* branch                main          -> FETCH_HEAD
   cbd6f7..acd59c0      main          -> origin/main
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result
.
```

```
README.md 5
t-version-control > README.md > abc # <<<<<< HEADSolving merge conflicts is sooooo
You, 2 minutes ago | 2 authors (You and one other)
1  Learning about version control
2
3  Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Ch
4  <<<<<< HEAD (Current Change)
5  Solving merge conflicts is soooooo hard!
6  =====
7  Solving merge conflicts is easy!
8  >>>>>> acd59c0a4d0ae9bf70867320a0c4c46e06a5f3b9 (Incoming C
9
10 Solving merge conflicts takes conscious effort, but I can
    do it! You, 2 minutes ago • Uncommitted changes
```

Working in a branch + pull-request workflow is useful because it keeps the main branch stable and ready while you work on new things. This is useful since you only merge code after it has been reviewed and tested, which helps causing issues to the project under the main branch. This also helps keep track of what has changed, any discussion related to the changes and who submitted and approved it. All this helps make collaboration with others much more organized and keeps from people breaking each others work.