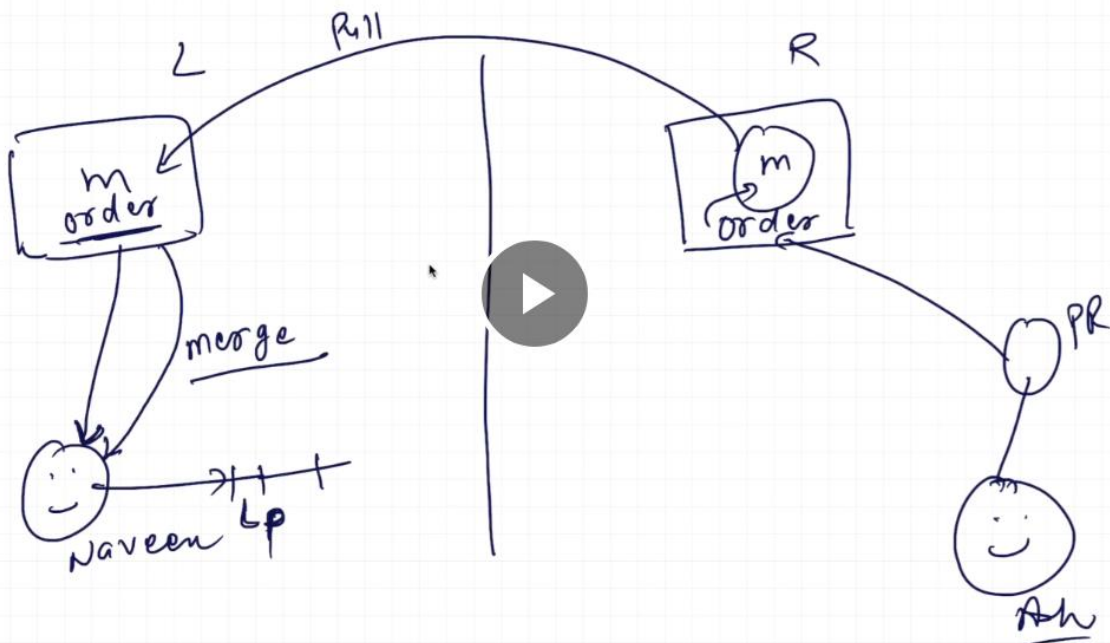


# Local Merge Use Cases

## Local Merge Use Cases



Master branch also known as main branch.

To merge the master with local-

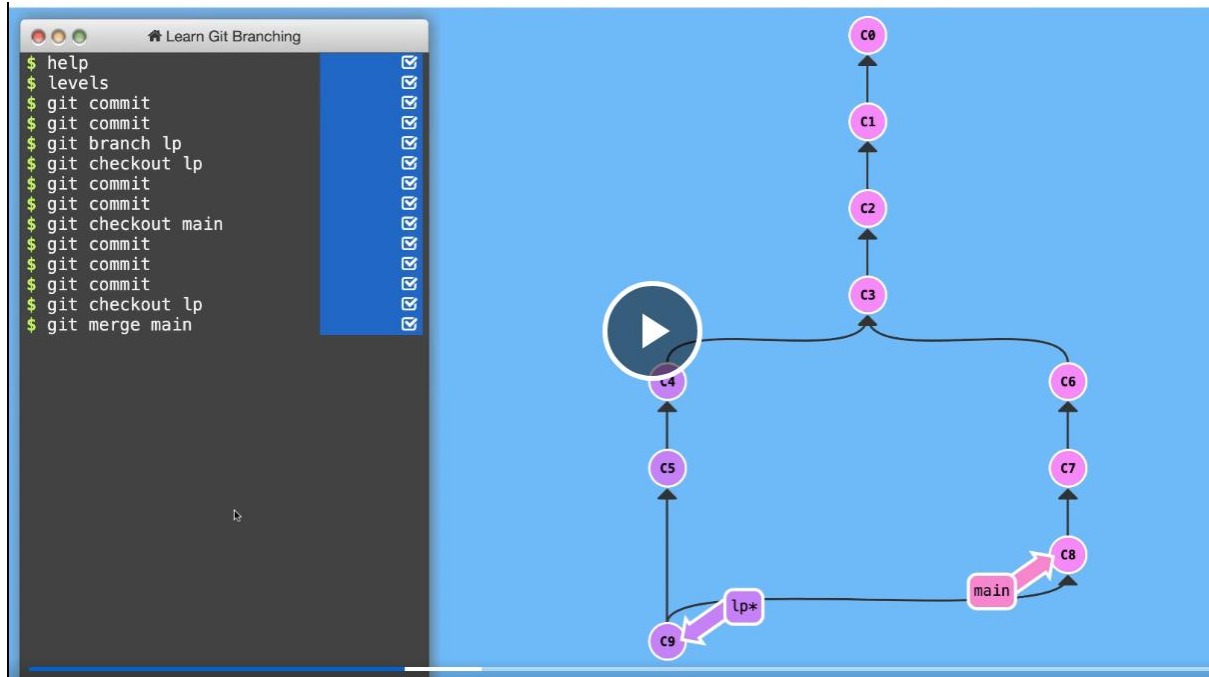
First take pull in local master.

Then checkout to the local branch.

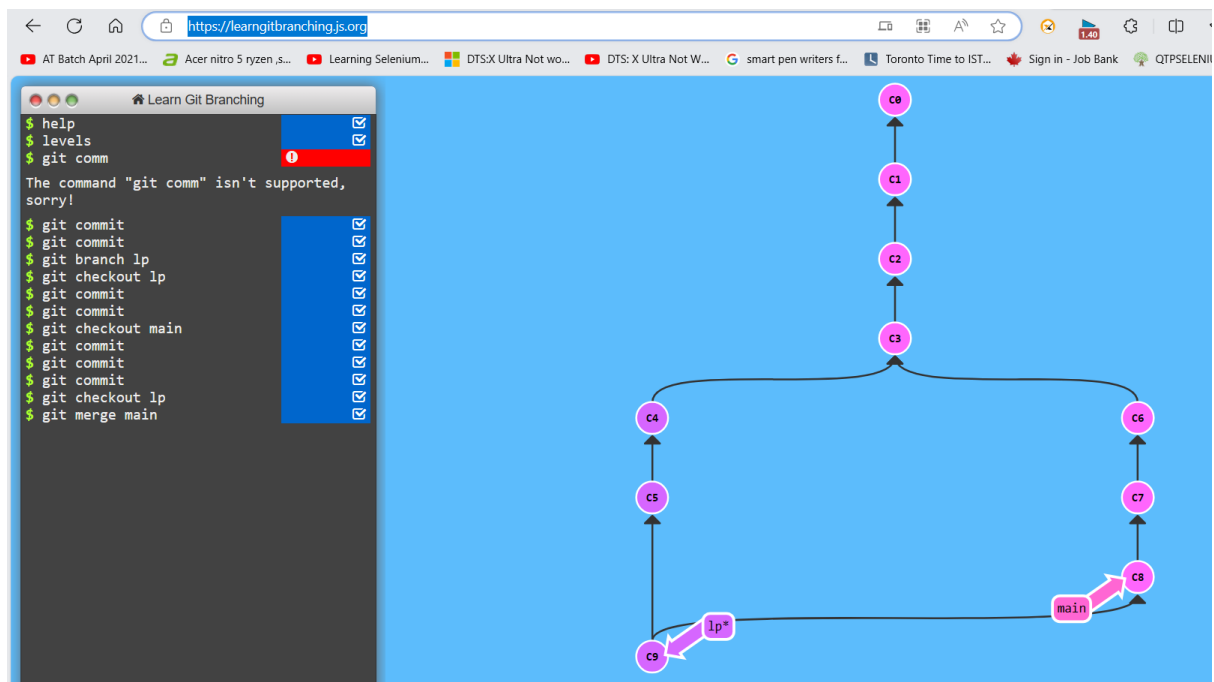
Write git merge.

A new commit with all the commits from all branches will be created in your local repo after merge.

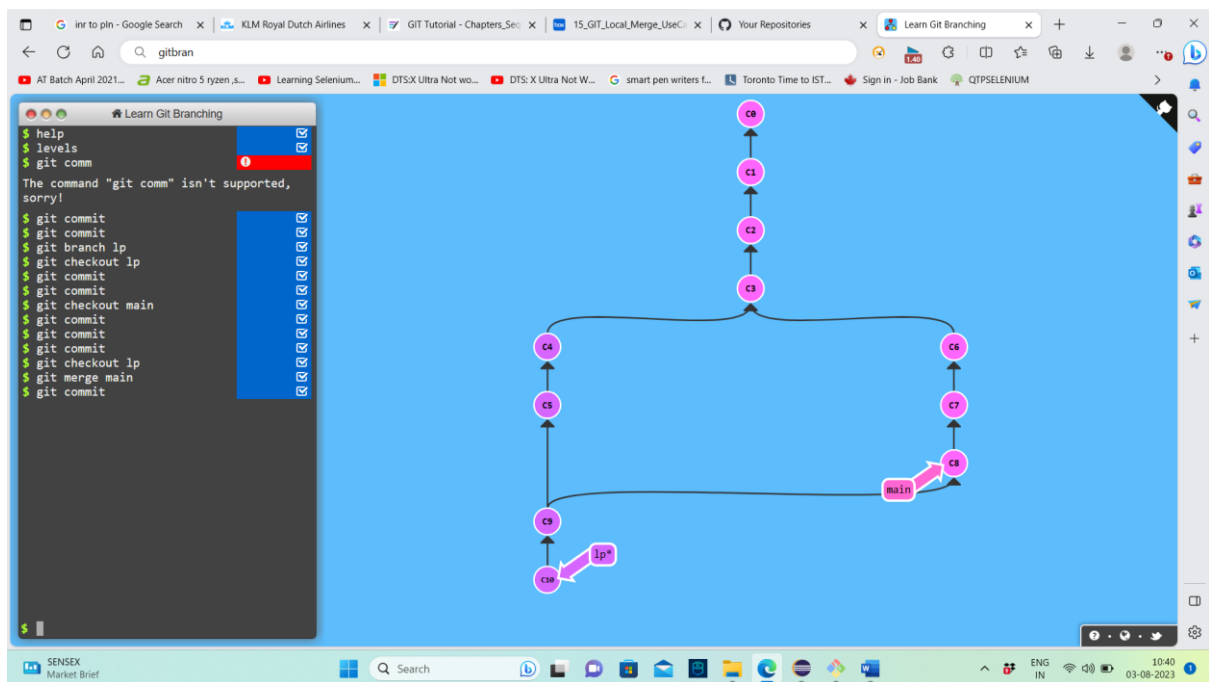
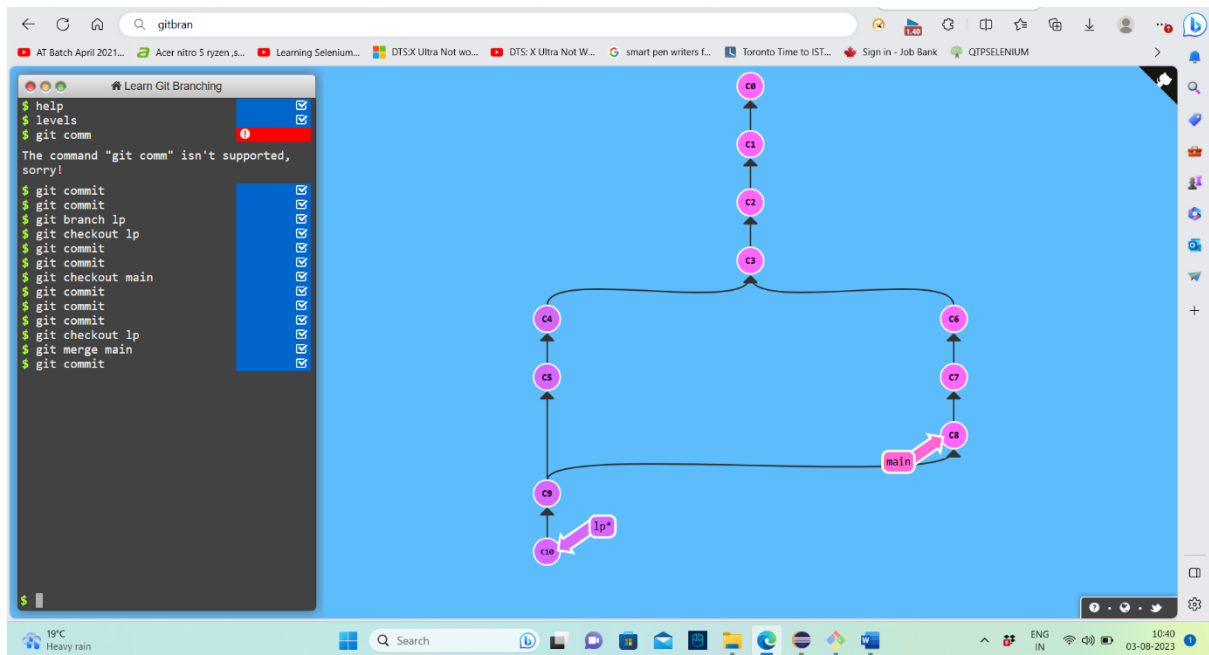
## Local merge in graphical fashion-



[Learn Git Branching](https://learngitbranching.js.org) – this is the website to understand local merge.



This is the thing we need to do practically using git-



Git branch-

cart  
\* master  
naveen  
(END)



```

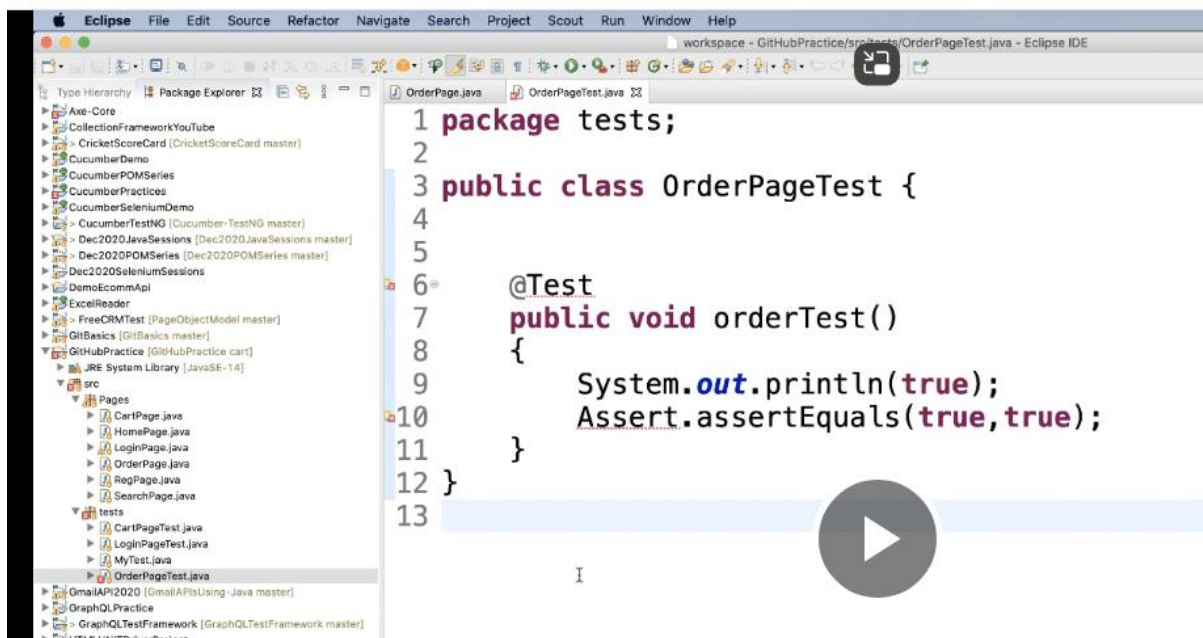
→ GitHubPractice git:(cart) git merge master
Merge made by the 'recursive' strategy.
 src/Pages/OrderPage.java      | 16 ++++++++
 src/tests/OrderPageTest.java | 12 ++++++++
 2 files changed, 28 insertions(+)
 create mode 100644 src/Pages/OrderPage.java
 create mode 100644 src/tests/OrderPageTest.java
→ GitHubPractice git:(cart)

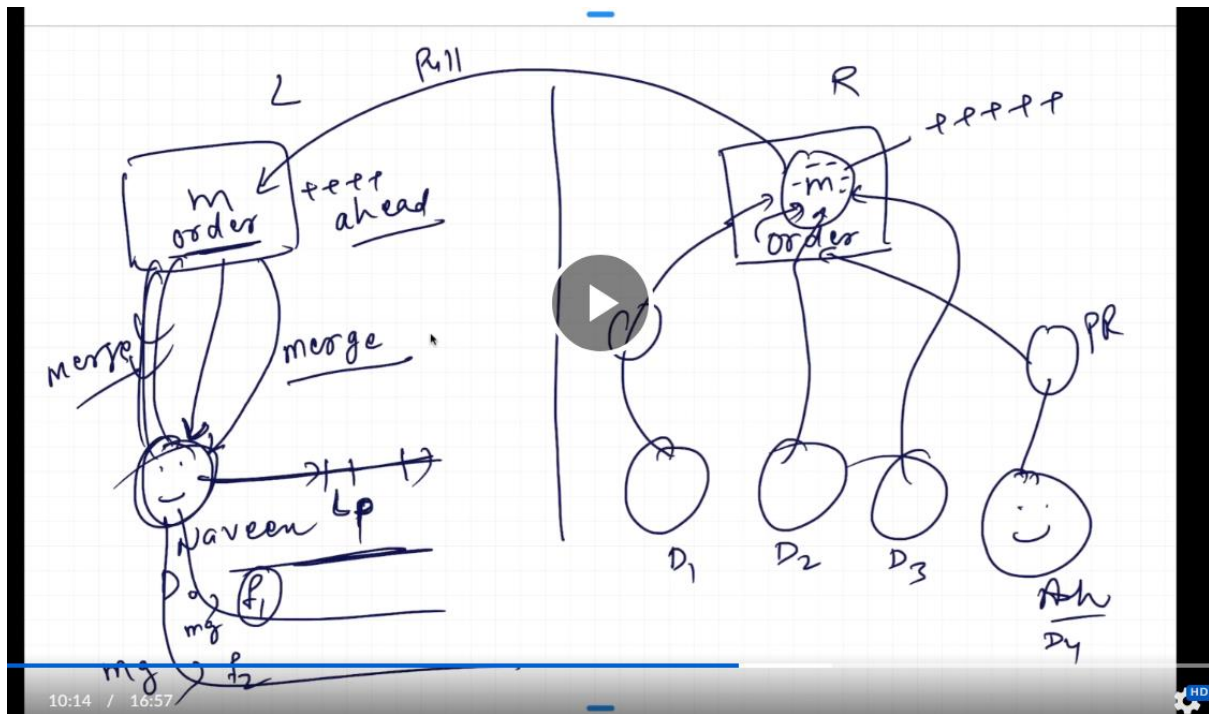
```



Refresh project.

Code updated in cart branch also.

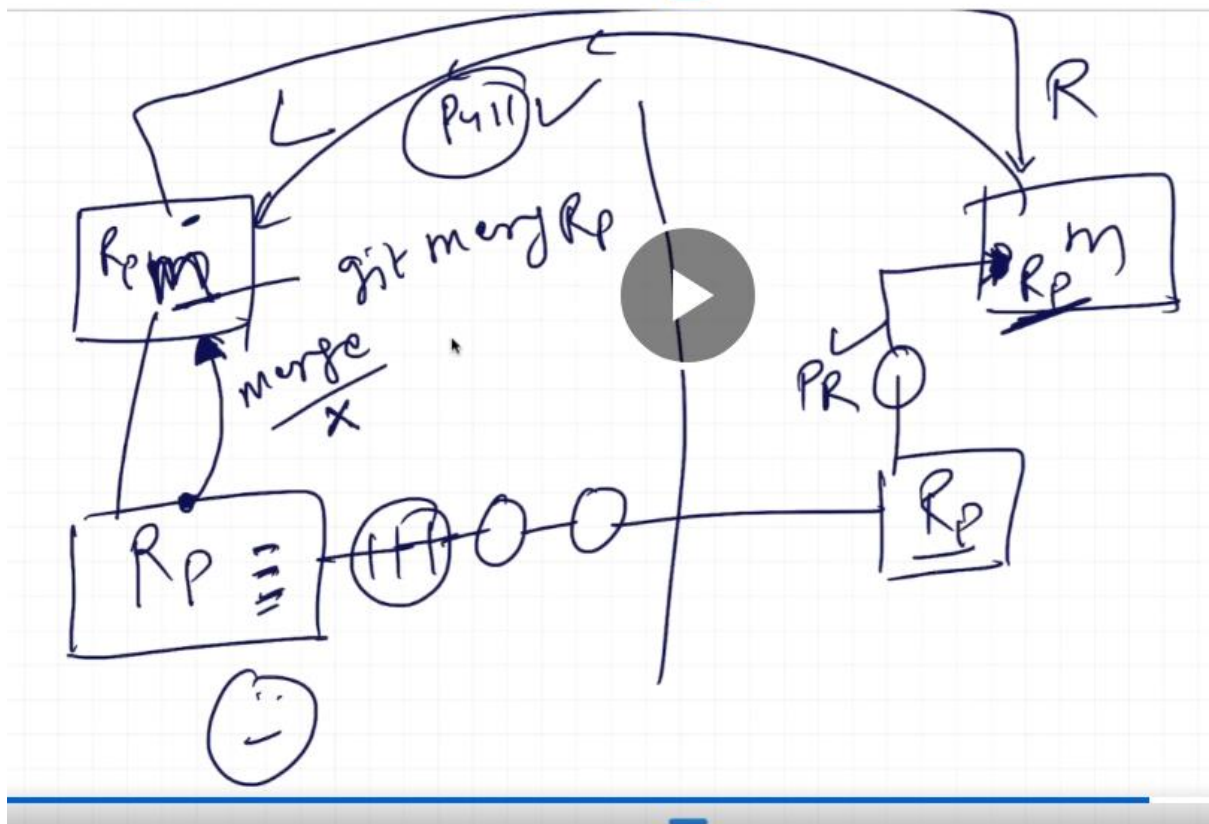




### When only one person is working-

Reverse merging not good practice, because in local branches, pr cannot be raised.

If code is buggy and you push to remote master, then gone.



lets see this thing in action-

```
MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (naveen)
$ git branch
  cart
  feature1
  master
* naveen
g
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (naveen)
$ git checkout master
Switched to branch 'master'

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git branch RP

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git checkout RP
Switched to branch 'RP'

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (RP)
$ |
```

```
MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (naveen)
$ git branch
  cart
  feature1
  master
* naveen
g
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (naveen)
$ git checkout master
Switched to branch 'master'

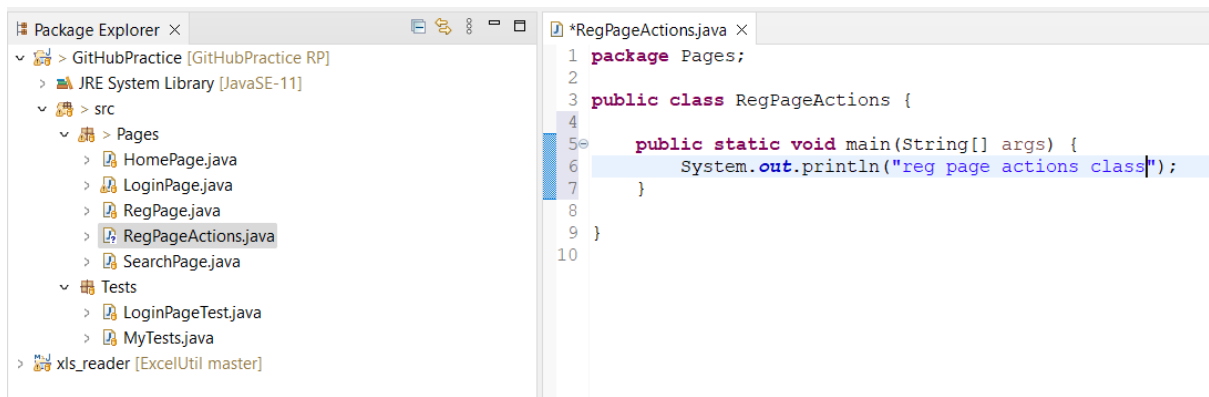
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git branch RP

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git checkout RP
Switched to branch 'RP'

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (RP)
$ |
```

New code added in rp branch-





Add, commit, and push-

```

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (RP)
$ git status
On branch RP
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        src/Pages/RegPageActions.java

nothing added to commit but untracked files present (use "git add" to track)

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (RP)
$ git add .

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (RP)
$ git commit -m "reg page actions code"
[RP 2283173] reg page actions code
1 file changed, 5 insertions(+)
create mode 100644 src/Pages/RegPageActions.java

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (RP)
$ git push origin RP
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 12 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 481 bytes | 481.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'RP' on GitHub by visiting:
remote:   https://github.com/karanAtreya1986/GitHubCourse/pull/new/RP
remote:
To https://github.com/karanAtreya1986/GitHubCourse.git
 * [new branch]      RP -> RP

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (RP)
$

```

Refresh and code present-



GitHubCourse Public

RP had recent pushes less than a minute ago [Compare & pull request](#)

RP 3 branches 0 tags [Go to file](#) [Add file](#) [Code](#)

This branch is 4 commits ahead of master. [Contribute](#)

File	Commit	Time
src	reg page actions code	1 minute ago
.gitignore	first commit	last week

Help people interested in this repository understand your project by adding a README. [Add a README](#)

**About**  
this is my gihub project for practice  
Activity  
0 stars  
1 watching  
0 forks

**Releases**  
No releases published  
[Create a new release](#)

**Packages**  
No packages published  
[Publish your first package](#)

**Languages**

Click compare and pull request-

GitHubCourse Public

RP had recent pushes less than a minute ago [Compare & pull request](#)

Create pull request-

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

base: master ← compare: RP ✓ Able to merge. These branches can be automatically merged.

Rp

Write Preview

Rp to master [branch](#)

Attach files by dragging & dropping, selecting or pasting them.

Create pull request

Click merge-

We can even click on merge after clicking on pull request link. Then click on the PR name.

Pull requests - naveenanimati... Learn Git Branching

github.com/naveenanimation20/GitHubCourse/pull/2

Search or jump to... Pull requests Issues Marketplace Explore

naveenanimation20 / GitHubCourse Public

Unwatch 1 Star 1

Code Issues Pull requests 1 Actions Projects Wiki Security Insight

Label issues and pull requests for new contributors

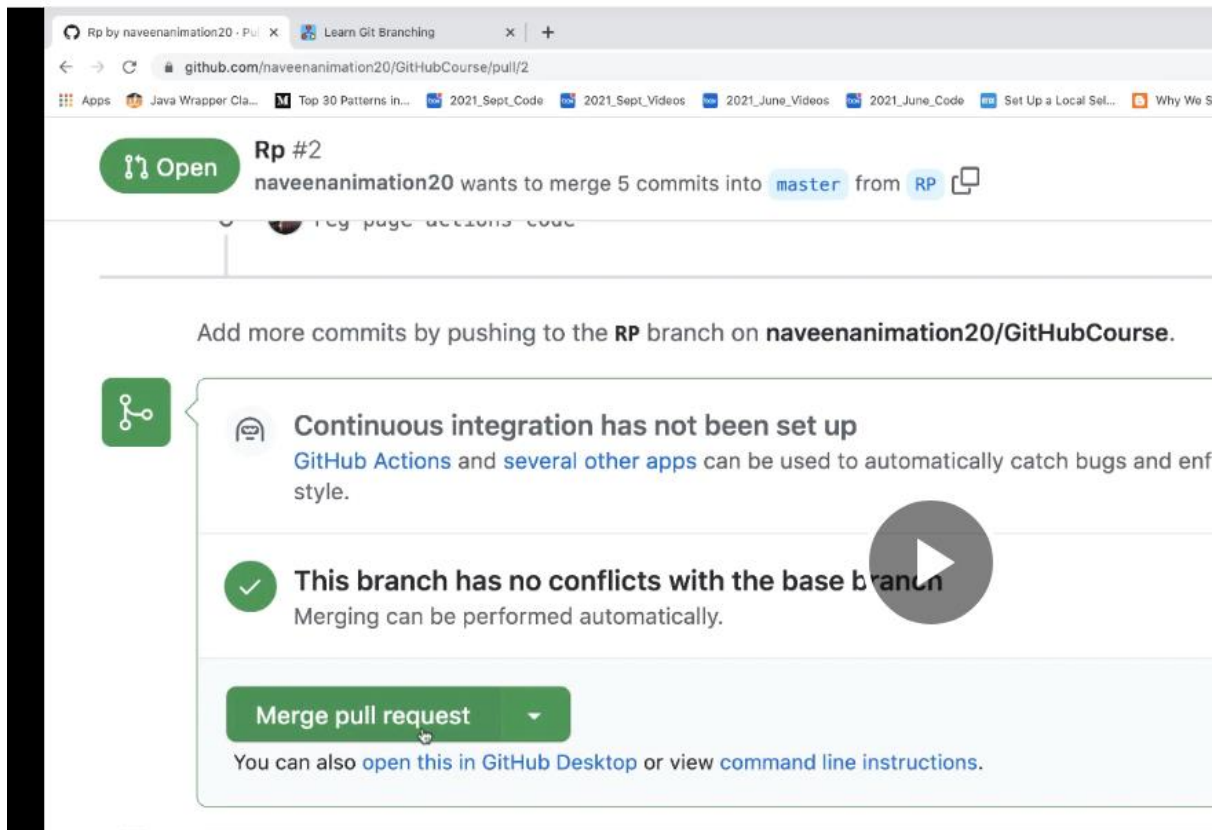
Now, GitHub will help potential first-time contributors discover issues labeled with [good first issue](#)

Filters is:pr is:open Labels 9 Milestones 0

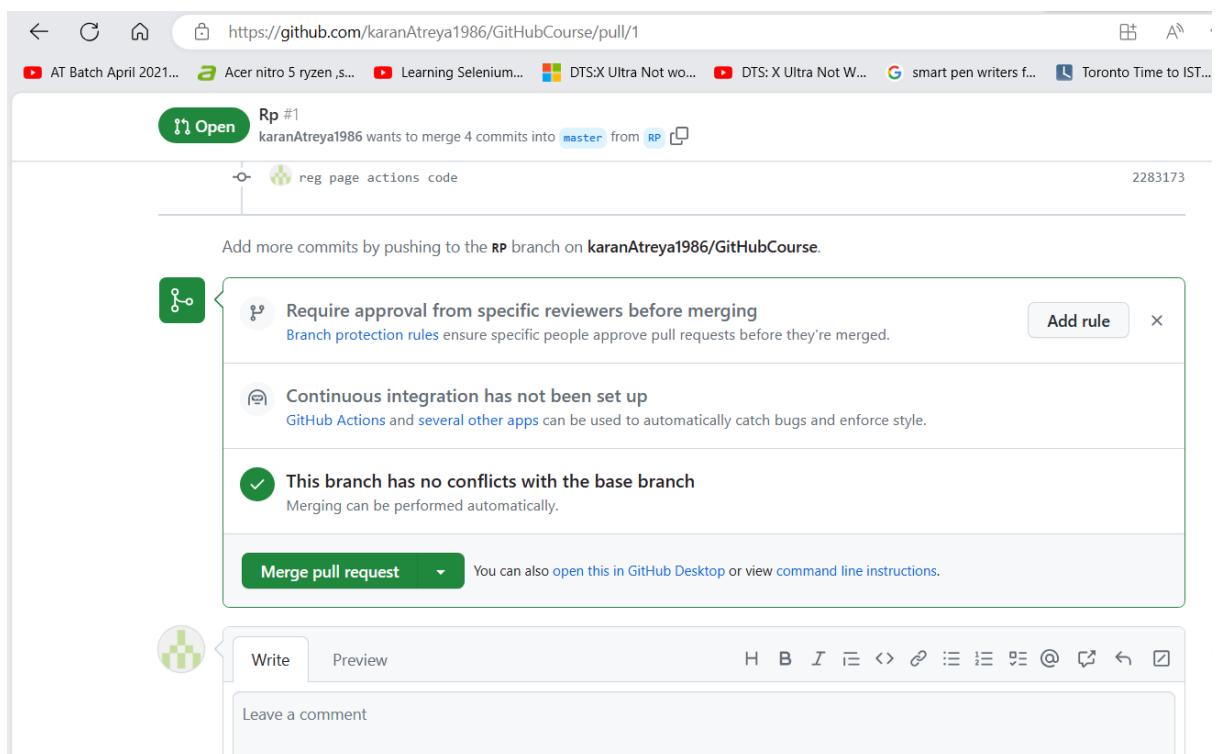
1 Open 1 Closed Author Label Projects Milestones Reviews Assign

Rp

#2 opened now by naveenanimation20



Or other way is when we created pull request and scrolled downwards we get this option to merge-



Confirm merge-

← ↻ 🏠 🔒 <https://github.com/karanAtreya1986/GitHubCourse/pull/1>

AT Batch April 2021... Acer nitro 5 ryzen ,s... Learning Selenium... DTS:X Ultra Not wo... DTS: X Ultra Not W... smart pen w

**Open** **Rp #1**  
karanAtreya1986 wants to merge 4 commits into `master` from `RP`

- added some new files
- updated my test class
- updated my test with city field
- reg page actions code

Add more commits by pushing to the `RP` branch on **karanAtreya1986/GitHubCourse**.

**Merge pull request #1 from karanAtreya1986/RP**

Rp

This commit will be authored by 140405970+karanAtreya1986@users.noreply.github.com

**Confirm merge** **Cancel**

Merge done-

← ↻ 🏠 🔒 <https://github.com/karanAtreya1986/GitHubCourse/pull/1>

AT Batch April 2021... Acer nitro 5 ryzen ,s... Learning Selenium... DTS:X Ultra Not wo... DTS: X Ultra Not W... smart pen writers f... Toronto Time to IST...

**Merged** **Rp #1**  
karanAtreya1986 merged 4 commits into `master` from `RP` now

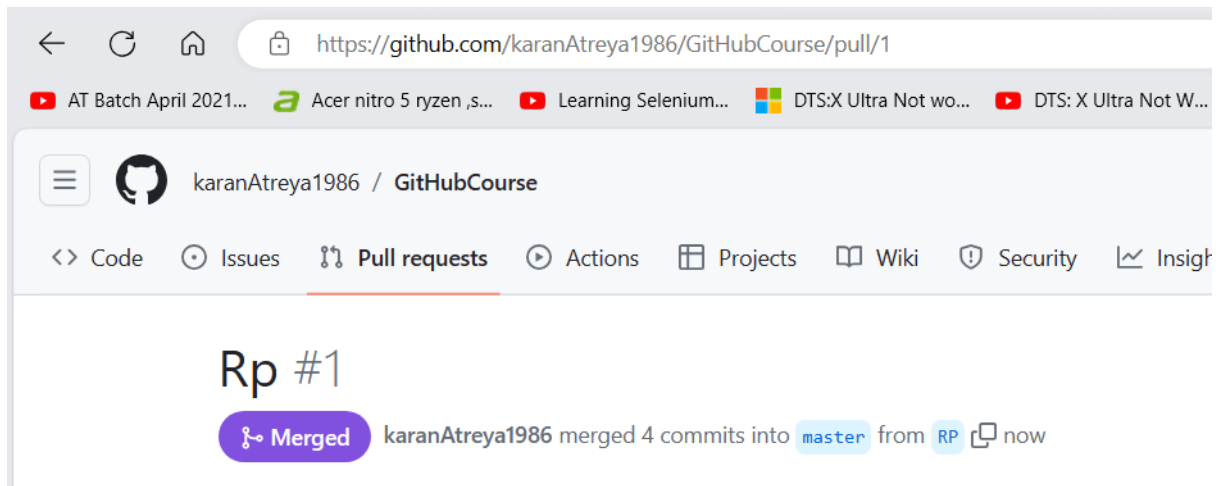
- added some new files
- updated my test class
- updated my test with city field
- reg page actions code

karanAtreya1986 merged commit `ca66c6e` into `master` now **Revert**

**Pull request successfully merged and closed**  
You're all set—the `RP` branch can be safely deleted. **Delete branch**

Write Preview H B I @

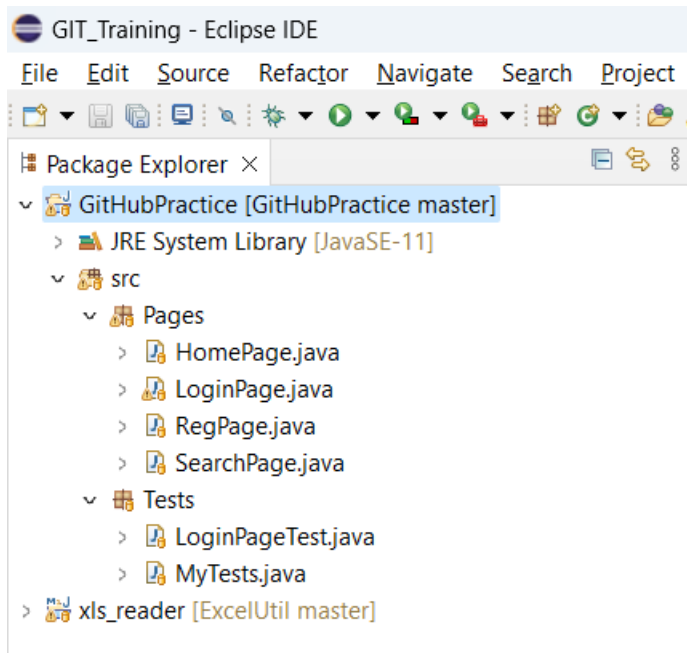
It says merged from rp to master-



Lets take latest pull-

Checkout to master first.

No reg page actions class in master –



Git pull-

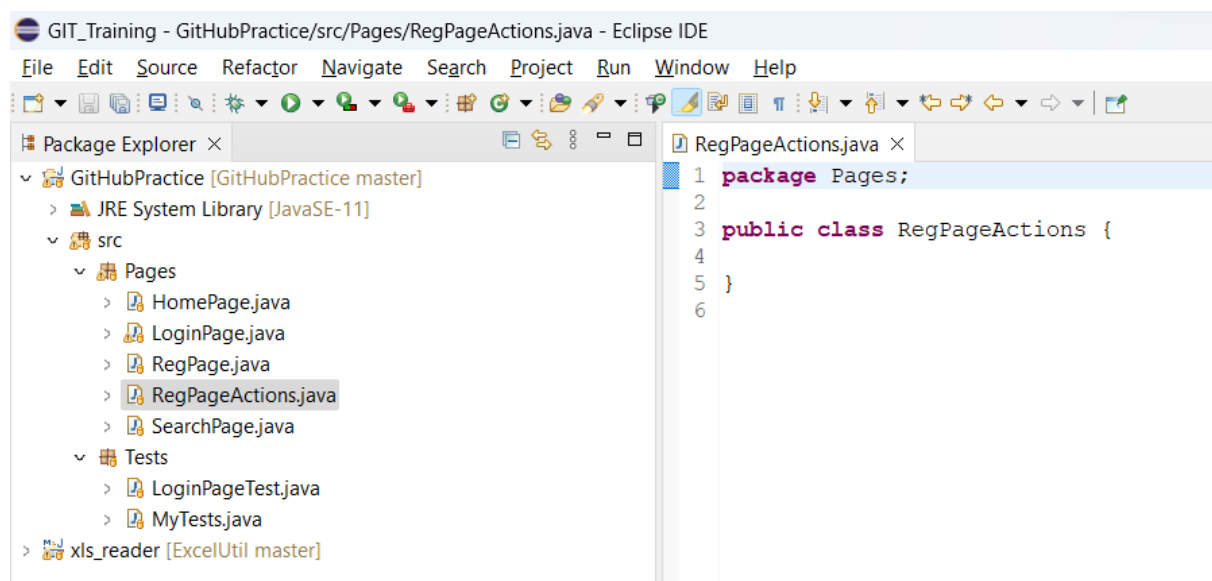
```

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git pull origin master
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), 619 bytes | 41.00 KiB/s, done.
From https://github.com/karanAtreya1986/GitHubCourse
* branch      master      -> FETCH_HEAD
   87e6219..ca66c6e master  -> origin/master
Updating a4d3eb0..ca66c6e
Fast-forward
 src/Pages/RegPageActions.java | 5 +++++
 1 file changed, 5 insertions(+)
 create mode 100644 src/Pages/RegPageActions.java

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$

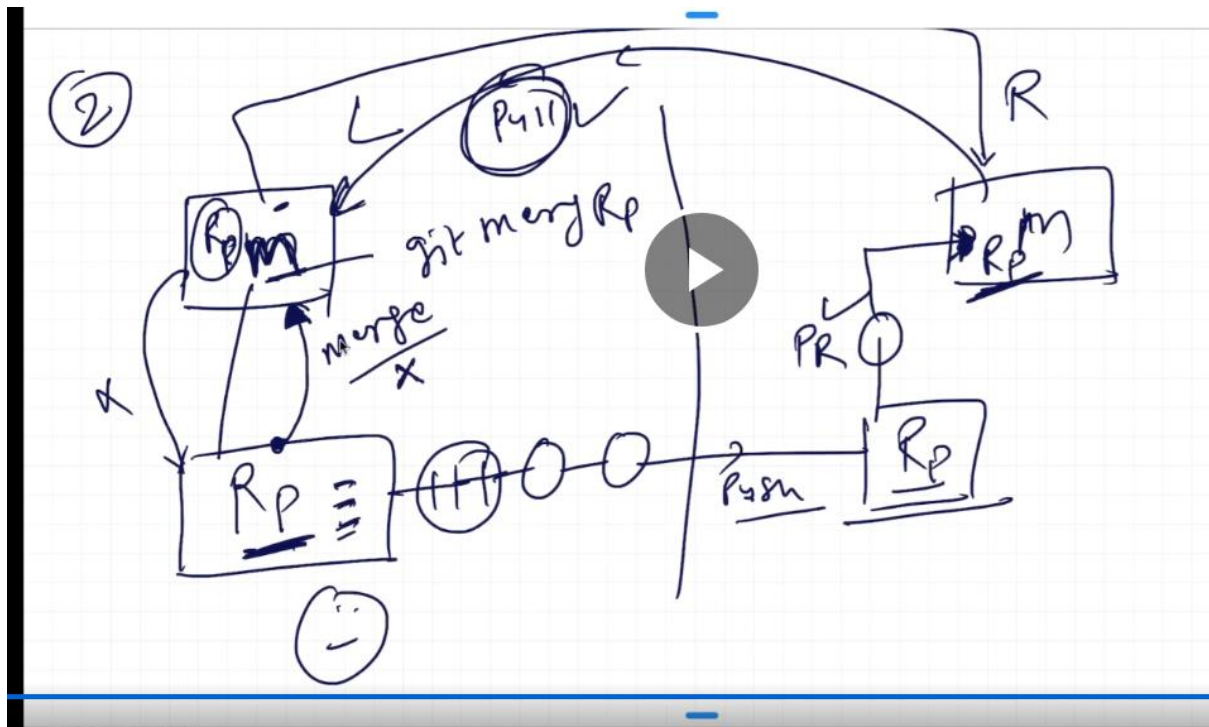
```

Refresh ide and it has come-

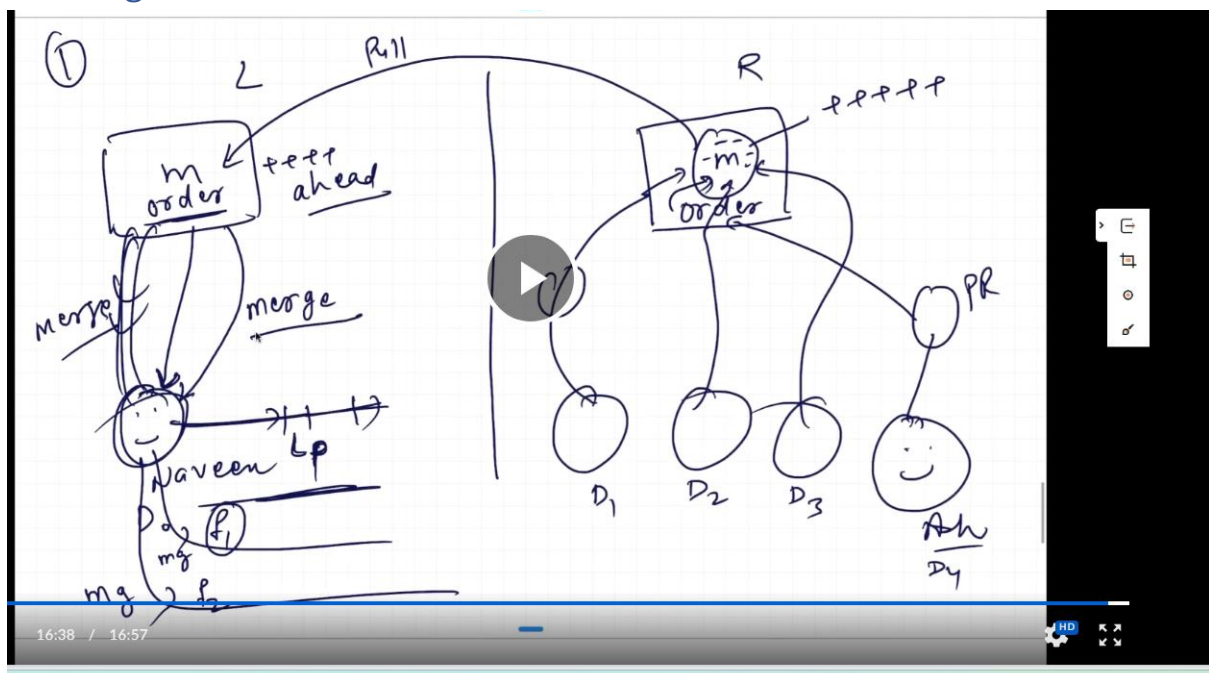


Second use case of merge is when only person in team, what is the practice to follow-

We don't have to merge from local master to local repo because only one person is working and the latest code is already pushed to remote master.



First use case is master to feature branch with multiple people working in team-



Another ocd –



