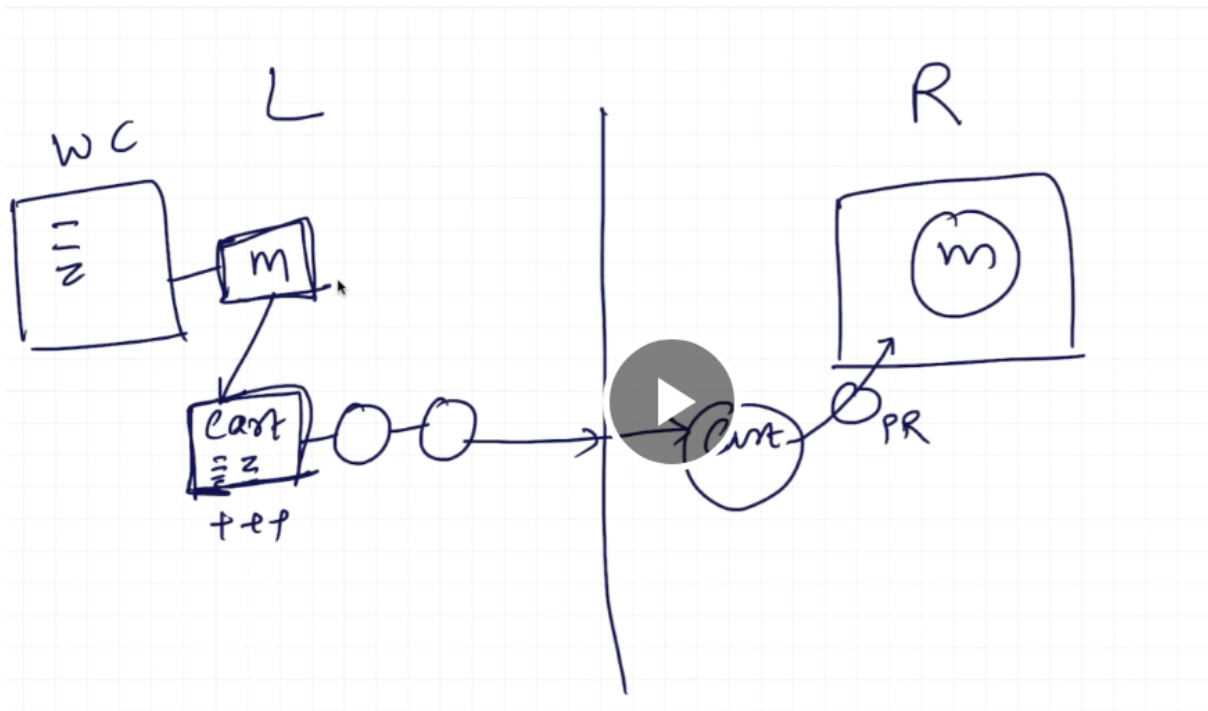


# How to create a local branch and push it to remote



To check how many branches are there-

```
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (master)
$ git branch
* master

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (master)
$ |
```

Create branch-

```
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (master)
$ git branch cart

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (master)
$ git branch
cart
* master

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

Star means our working copy is pointing to master branch.

## Checkout and check branch-

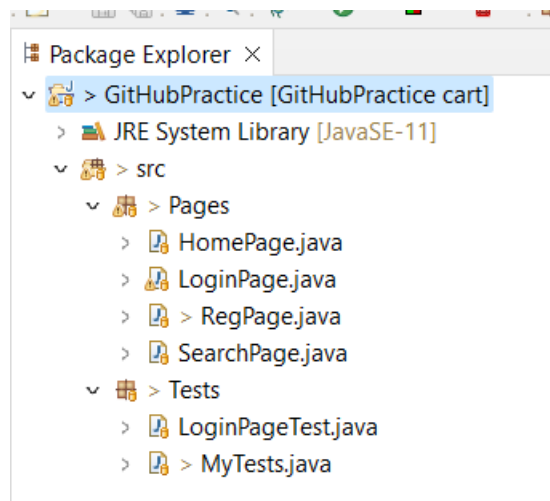
```
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (master)
$ git checkout cart
Switched to branch 'cart'
M       src/Pages/RegPage.java
M       src/Tests/MyTests.java

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git branch
* cart
  master

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$
```

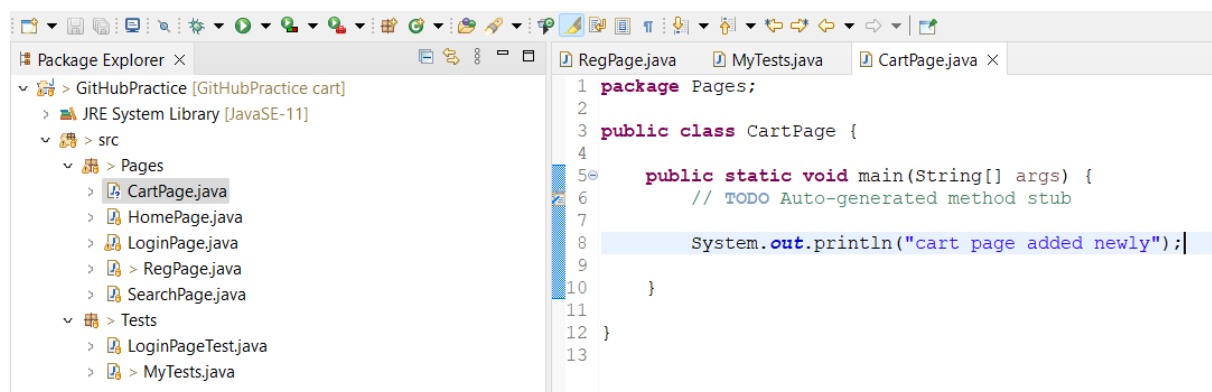
Open the ide.

Refresh the project or right click on project -> close and open the project.



We can see the branch name is updated next to the project.

## Code added-



Made changes and committed.

```

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git status
On branch cart
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   src/Pages/RegPage.java
    modified:   src/Tests/MyTests.java

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    src/Pages/CartPage.java

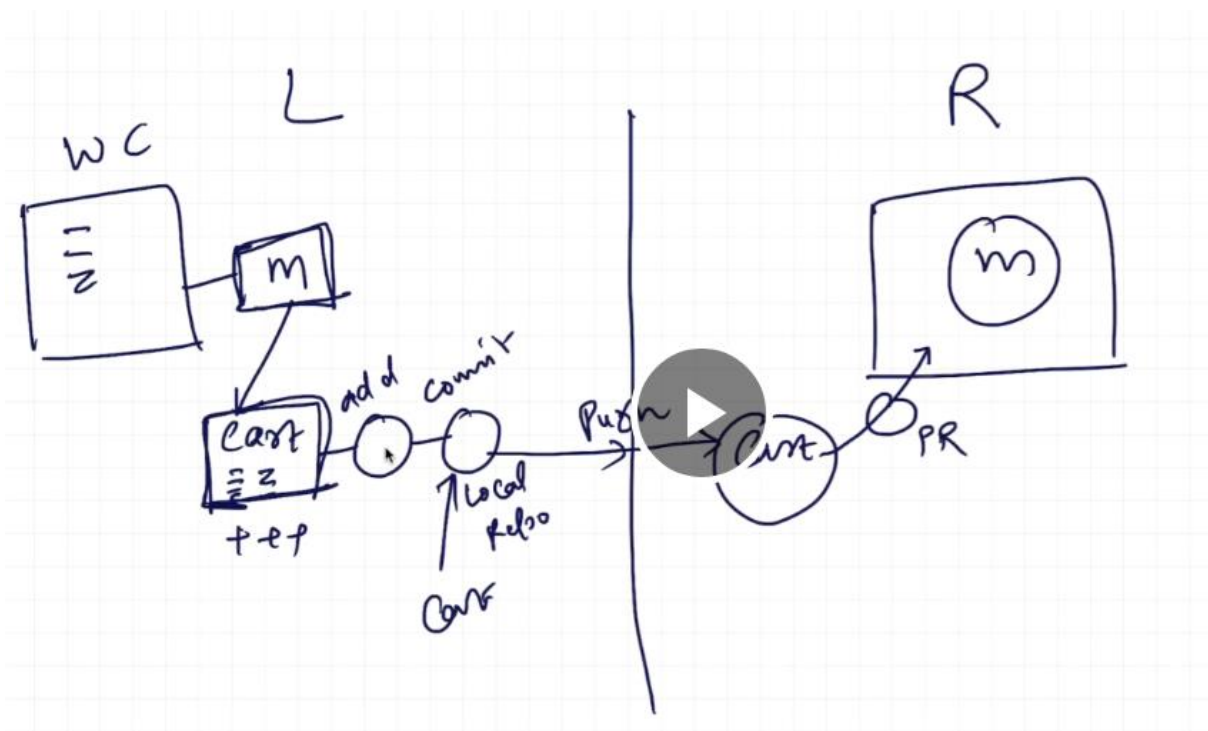
no changes added to commit (use "git add" and/or "git commit -a")

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git add .

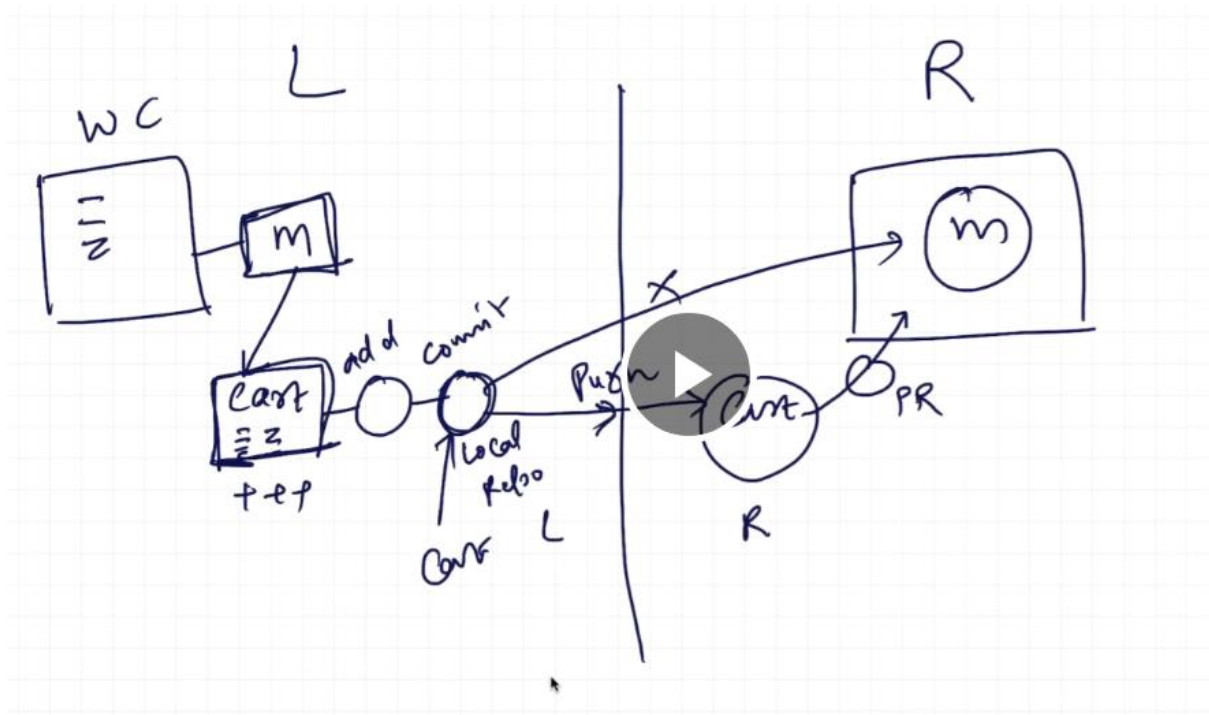
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git commit -m "cart page added"
[cart 3731923] cart page added
 3 files changed, 15 insertions(+)
 create mode 100644 src/Pages/CartPage.java

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ |

```



Always push the code to the same branch in remote side.



don't push from cart to master.

```
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git push origin cart
Enumerating objects: 29, done.
Counting objects: 100% (29/29), done.
Delta compression using up to 12 threads
Compressing objects: 100% (25/25), done.
Writing objects: 100% (25/25), 2.27 KiB | 331.00 KiB/s, done.
Total 25 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), done.
remote:
remote: Create a pull request for 'cart' on GitHub by visiting:
remote:   https://github.com/karanAtreya1986/GitHubCourse/pull/new/cart
remote:
To https://github.com/karanAtreya1986/GitHubCourse.git
 * [new branch]      cart -> cart

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$
```

Refresh gitlab-

https://github.com/karanAtreya1986/GitHubCourse

karanAtreya1986 / GitHubCourse

Search Type to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

GitHubCourse Public

Pin Unwatch 1

cart had recent pushes 1 minute ago [Compare & pull request](#)

master 1 branch 0 tags [Go to file](#) [Add file](#) [Code](#)

Commit	Author	Date	Commits
karanAtreya1986 modified page classes	87e6219	yesterday	3 commits
src	modified page classes	yesterday	
.gitignore	first commit	3 days ago	

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

Branches updated-

master 2 branches 0 tags

Switch branches/tags

Find or create a branch...

Branches Tags

✓ master default

cart

[View all branches](#)

We can see the code once we are in cart branch.

https://github.com/karanAtreya1986/GitHubCourse/tree/cart

karanAtreya1986 / GitHubCourse

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

GitHubCourse Public

cart had recent pushes 2 minutes ago [Compare & pull request](#)

cart 2 branches 0 tags [Go to file](#) [Add file](#) [Code](#)

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

karanAtreya1986 cart page added 3731923 3 minutes ago 7 commits

File	Commit Message	Time Ago
src	cart page added	3 minutes ago
.gitignore	first commit	3 days ago

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

karanAtreya1986 / GitHubCourse

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

src

GitHubCourse / src

karanAtreya1986 cart page added 3731923 4 minutes ago History

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

Name	Last commit message	Last commit date
..		
Pages	cart page added	4 minutes ago
Tests	cart page added	4 minutes ago

Try to change master branch and we get code from master area-

karanAtreya1986 / GitHubCourse

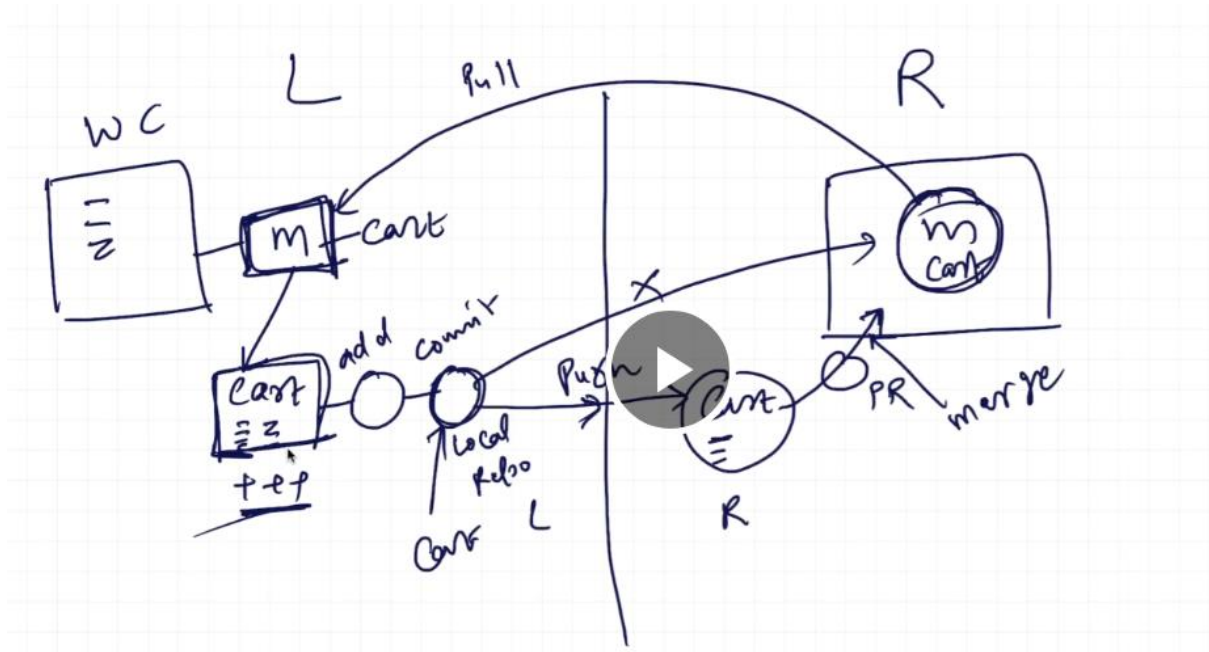
Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master

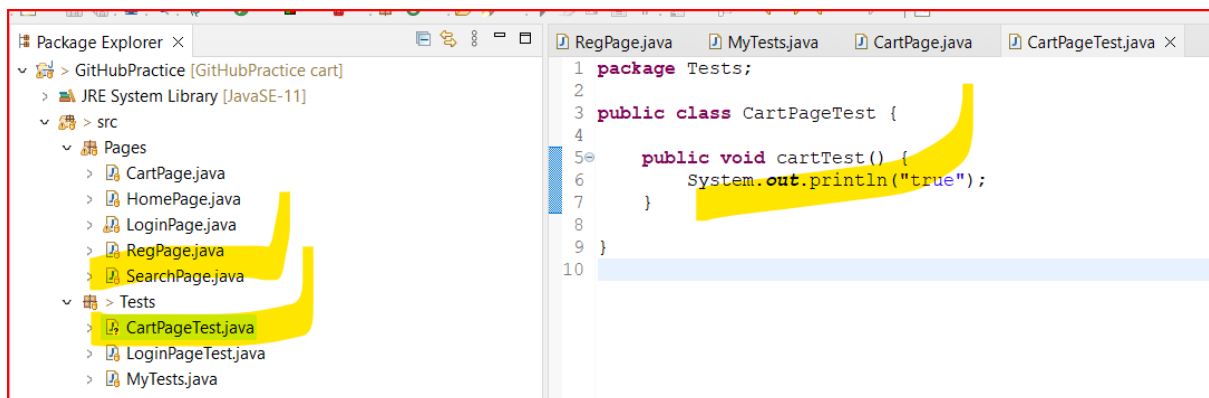
GitHubCourse / master

karanAtreya1986 modified page classes 87e6219 yesterday History

Name	Last commit message	Last commit date
..		
Pages	modified page classes	yesterday
Tests	added/updated/deleted files	yesterday



Added more code-



Question mark in project explorer means the file is untracked.

Orange box means already committed and in remote repo.

We can push as many times to the same branch as and when we are changing the code.

```

MINGW64:/e/Naveen_GIT_Training/Cucumber/GitHubPractice

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git status
On branch cart
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        src/Tests/CartPageTest.java

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

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git add .

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git status
On branch cart
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   src/Tests/CartPageTest.java

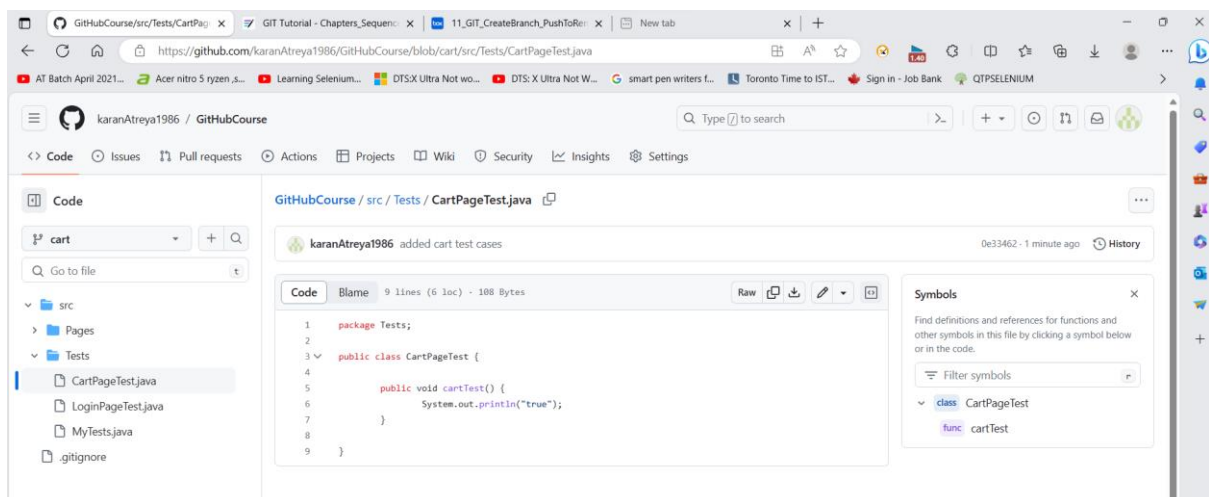
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git commit -m "added cart test cases"
[cart 0e33462] added cart test cases
1 file changed, 9 insertions(+)
create mode 100644 src/Tests/CartPageTest.java

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git push origin cart
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 12 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 561 bytes | 280.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/karanAtreya1986/GitHubCourse.git
    3731923..0e33462  cart -> cart

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$

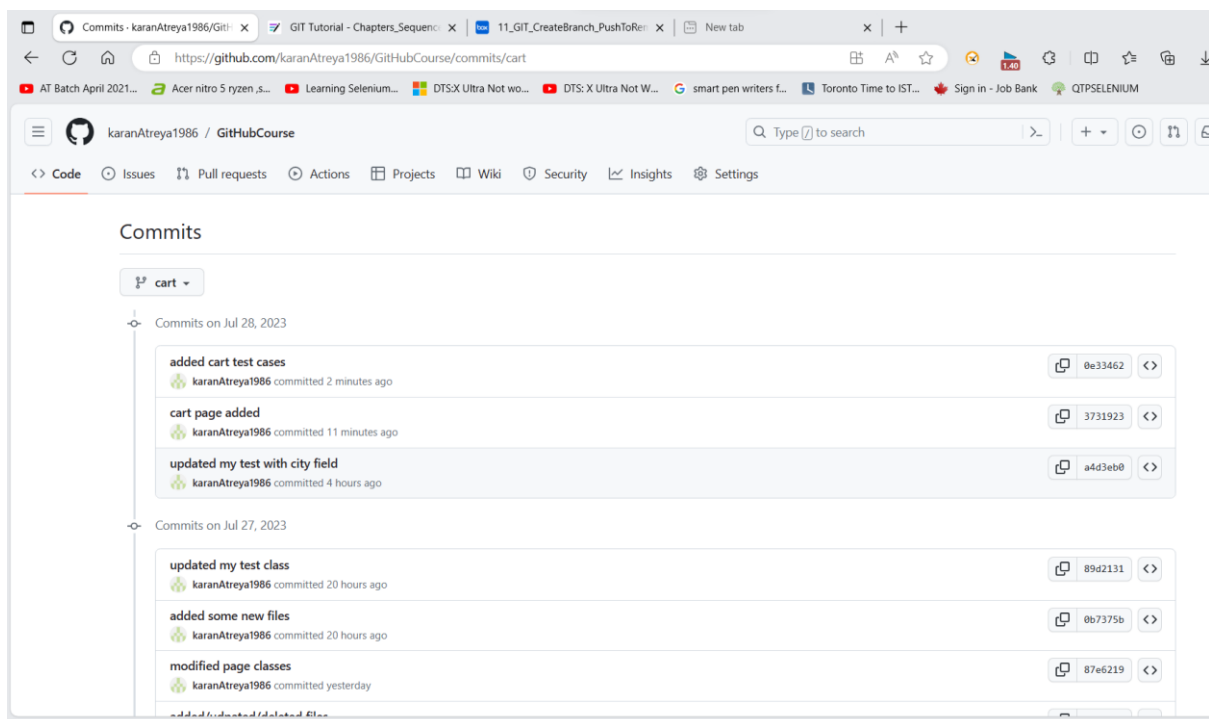
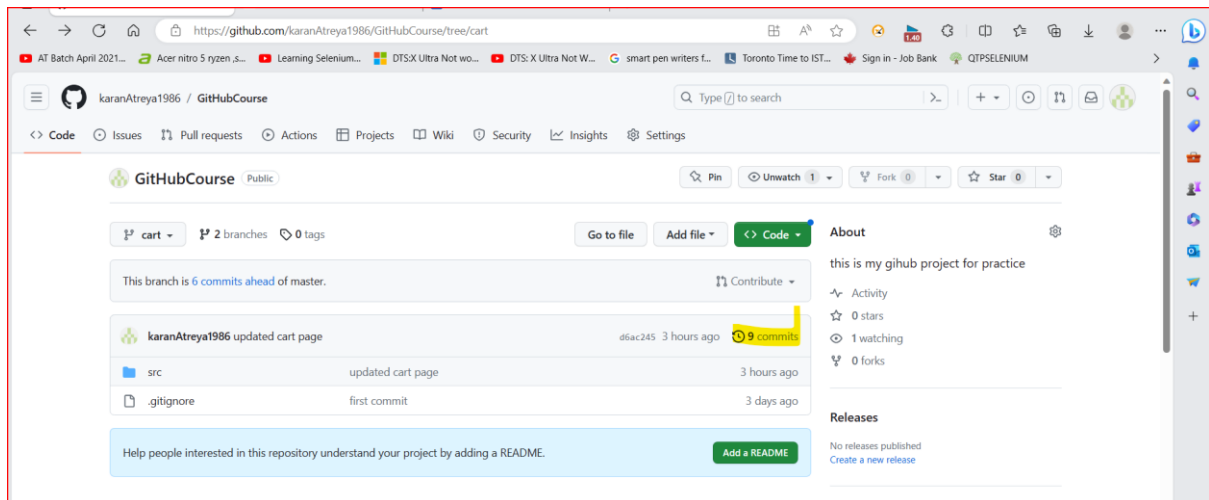
```

Refresh gitlab and code present-



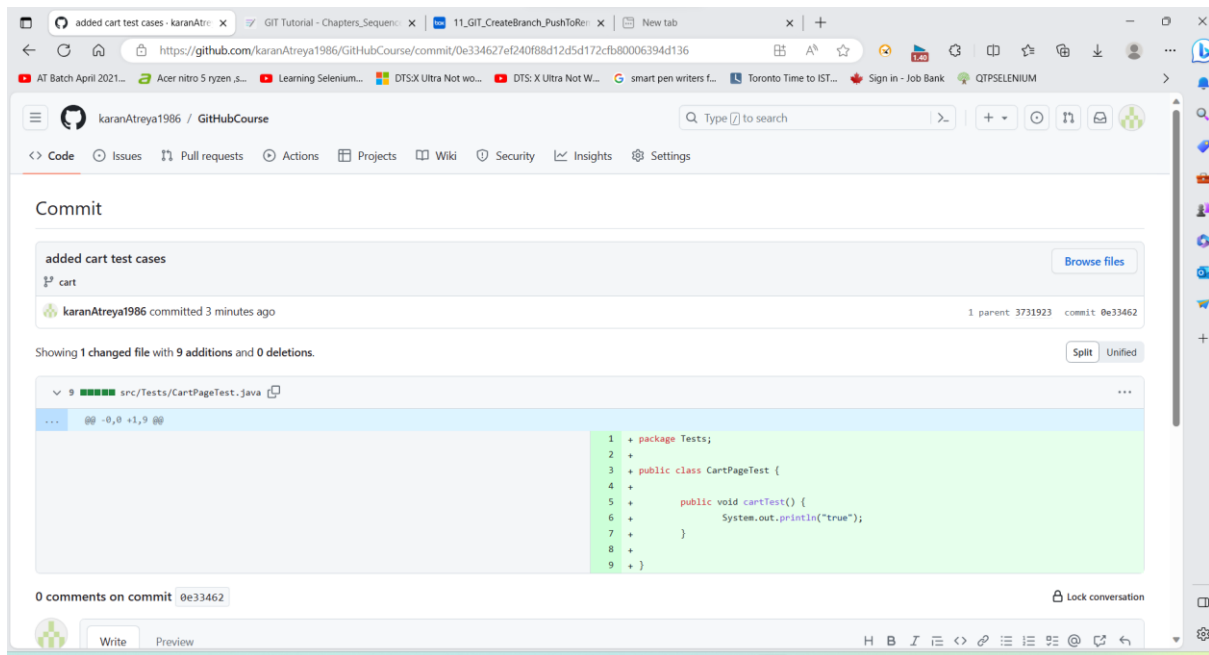
We can see commit history-



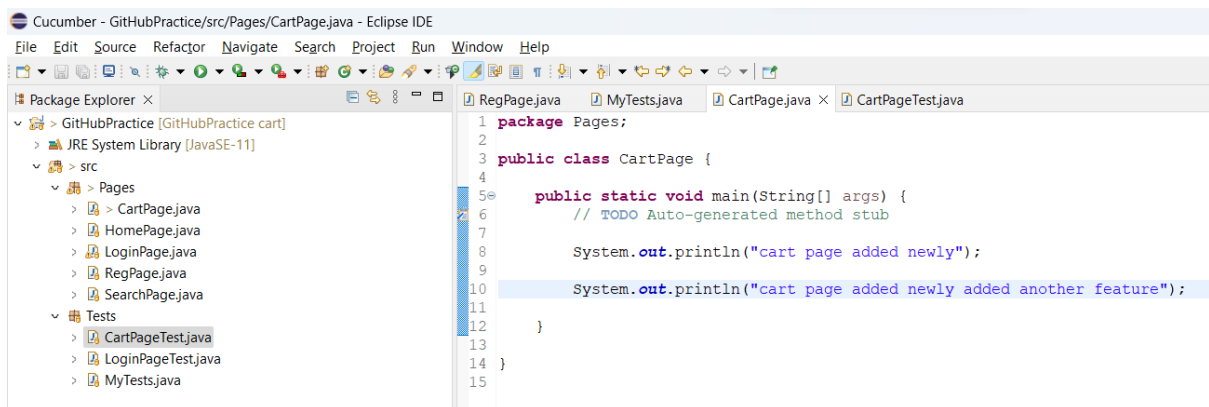


Change branch from the drop down in the above screenshot, and see that the code for that branch will be seen.

Click on any commit id-



## More code added-



```

MINGW64:/e/Naveen_GIT_Training/Cucumber/GitHubPractice
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git status
On branch cart
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   src/Pages/CartPage.java

no changes added to commit (use "git add" and/or "git commit -a")

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git add .

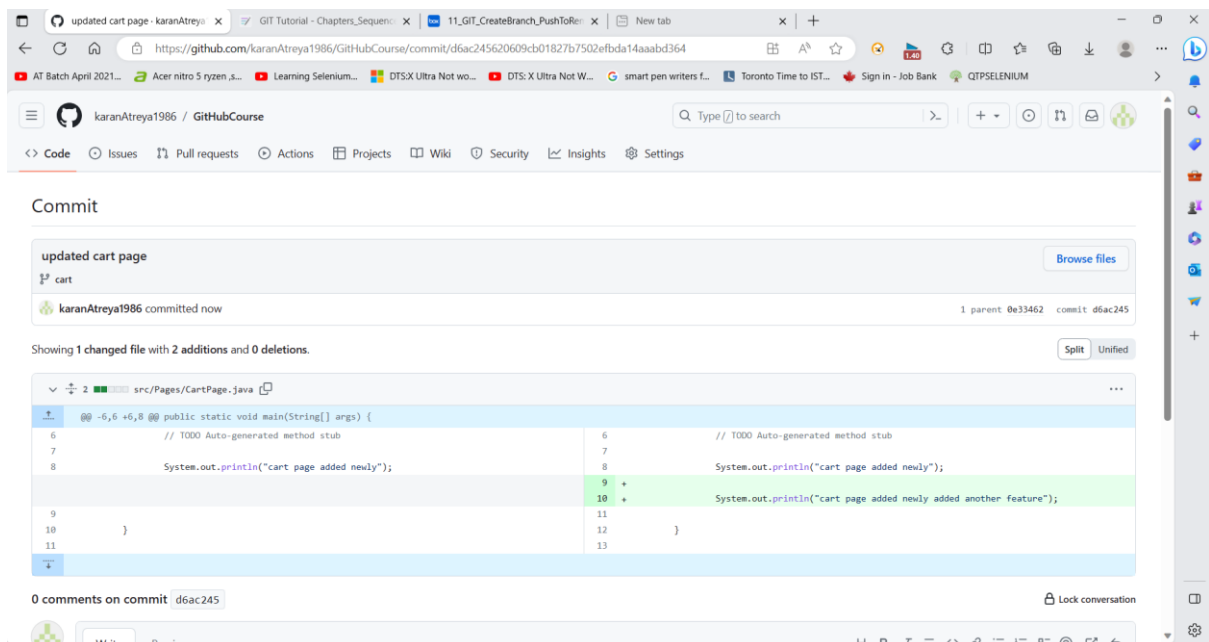
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git commit -m "updated cart page"
[cart d6ac245] updated cart page
1 file changed, 2 insertions(+)

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ git push origin cart
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 12 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 475 bytes | 475.00 KiB/s, done.
Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/karanAtreya1986/GitHubCourse.git
    0e33462..d6ac245  cart -> cart

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/Cucumber/GitHubPractice (cart)
$ |

```

Refresh and code seen-



“Plus” sign means insertion. “Minus” sign means removal.