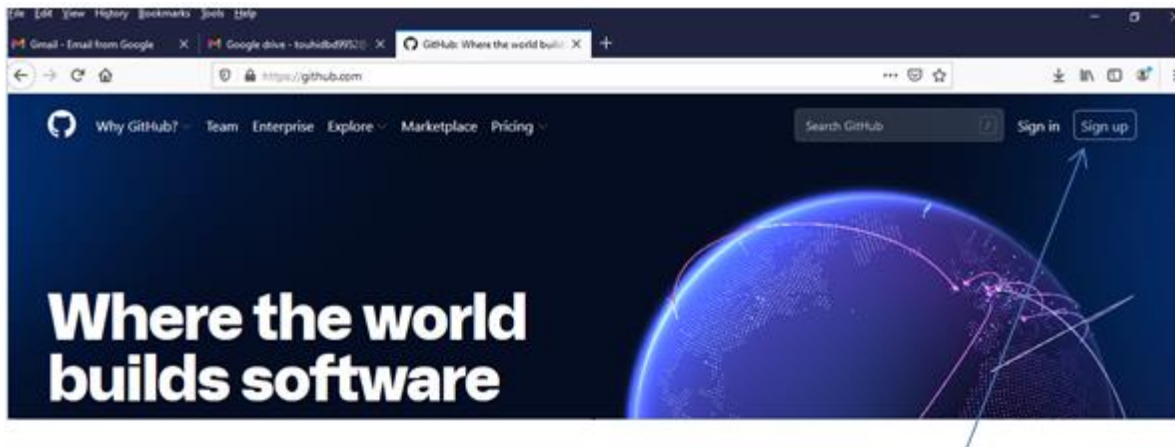


Git Hub Tutorial

1. Create a new account in github

- a. Open your browser and type <https://github.com> in address bar
- b. Click on “Signup” to view registration form



If you click on signup button, below form will show



Join GitHub

Create your account

Username *

Email address *

Password *

Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter.
[Learn more.](#)

Email preferences

☐ Send me occasional product updates, announcements, and offers.

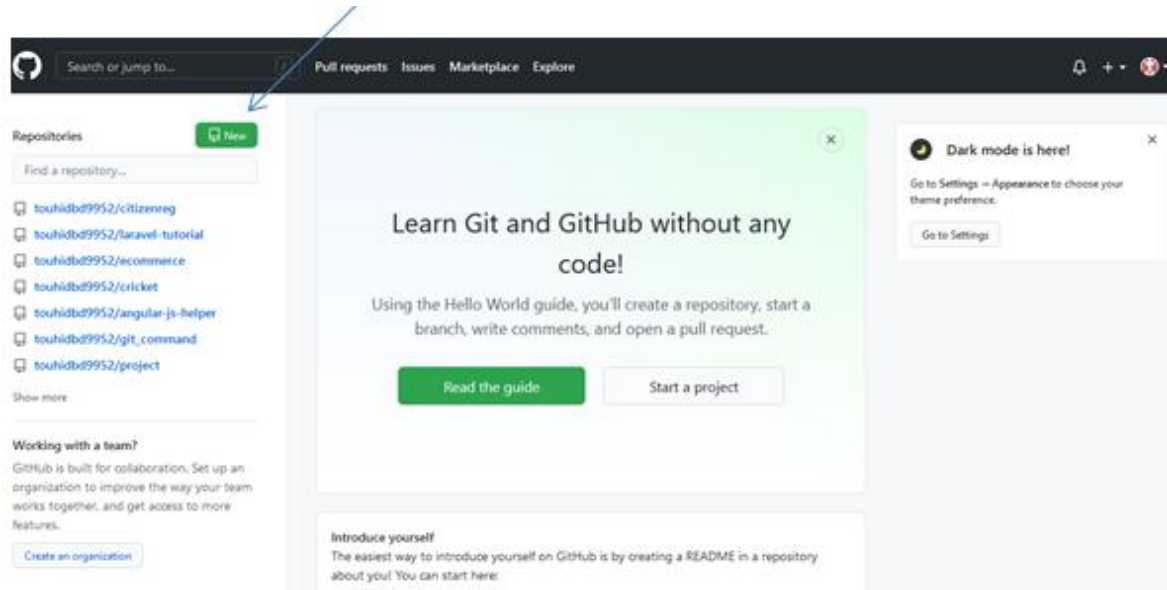
[Verify your account](#)

Fill up above form properly and click on “Create Account” button to create github account.

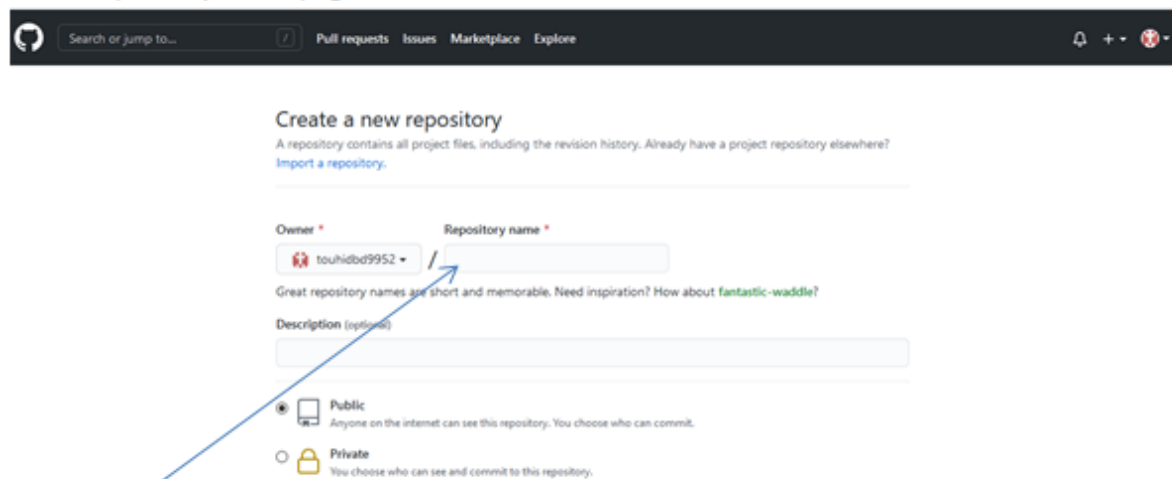
- c. After create github account, login to you account.

2. Create Repository (project Folder, where you will store your project folders and files)

- Login to your github account
- In github dashboard, click New Repositories



Below repository create page will show



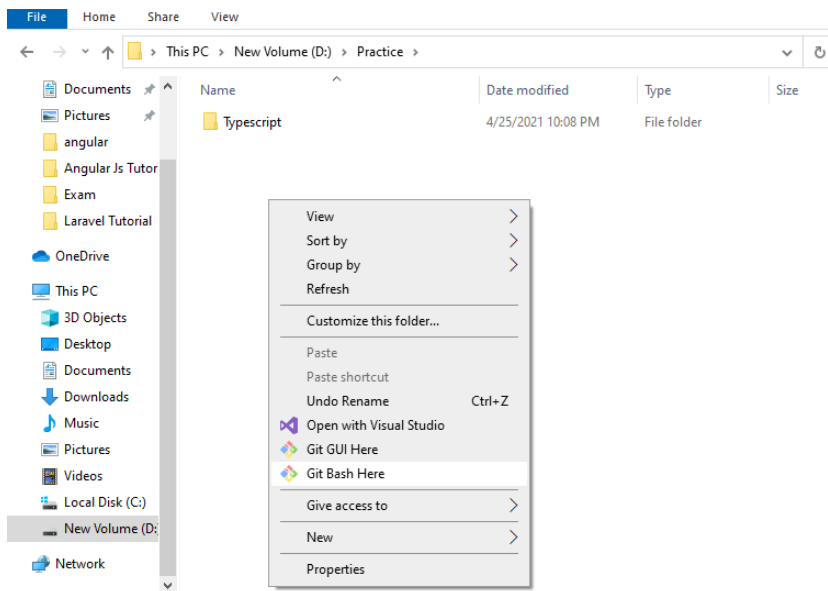
Write your repository name

Create repository

After given repository name, click on button to create repository

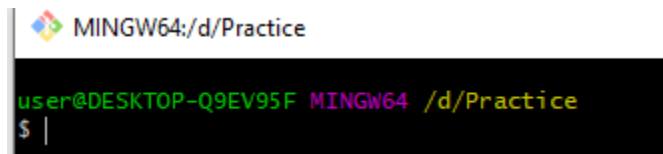
3. Upload Project in Repository

- a. Do you have “Git” application in your pc, first check it.
Go to c drive or any other drive and open any folder. Right click in blank area, below menu will show



If above menu has “Git GUI Here” and “Git Bash Here”, it means pc has git application. If doesn't have git then download git software from <https://git-scm.com> and install it

- b. Now to upload project in your github account do the below tasks
- In your pc, if you already have a project, open its folder or create a blank folder and give it's a name and open it.
 - Right click any blank space → click on “Git Bash Here”, it will open a command prompt like below



- iii. now type the git command

```
git init      //to initialize
git add .     //to add all folder and files
git commit -m "give comment here" // to commit/save
git remote add origin https://github.com/touhidbd9952/github-tutorial.git
//destination path where your file or folder will store
git push -u origin master //master: root of particular repository
```

(each of the command can take few minute, please do above task sequentially)

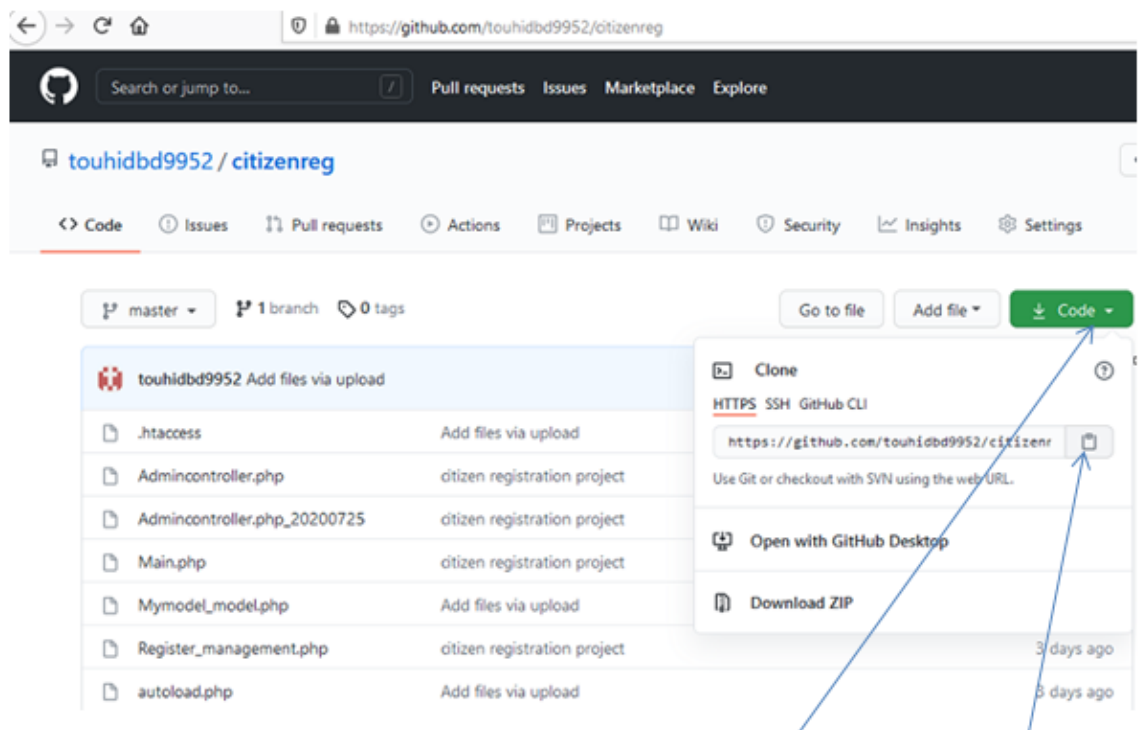
- iv. now refresh your github account and you will see your project is uploaded

4. Download Project → modify → Upload in github again

Download Project

To download previously uploaded project to your pc, to the below task

- i. Create a Folder (in any drive create a folder where you want to download)
- ii. Copy git file/folder link from github



Click on "Code" copy the repository path

- iii. In you pc, open your newly created folder and right click on blank space area → git bash here (select)
- iv. Now in git command prompt, type below code

```
git clone github-file-path-that-you-copied-paste-here ↵
```

(with in short time all file and folder will copied in new folder)

Change anywhere and upload

After update your project, open it and do the below task

```
git add . ↵
```

```
git commit -m "message" ↵
```

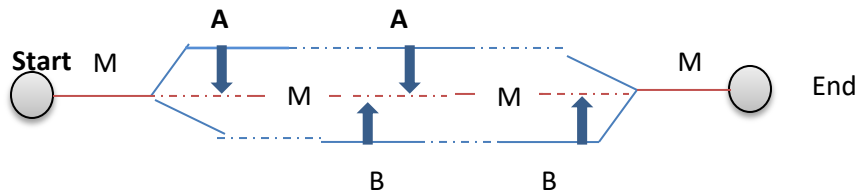
```
git pull ↵
```

```
git push ↵
```

(Now refresh your browse and check your project in GitHub)

5. Create Branch in Github

Below diagram show how to work several people in a project



M = Main Branch (Master), for team leader

A= Branch A programmer

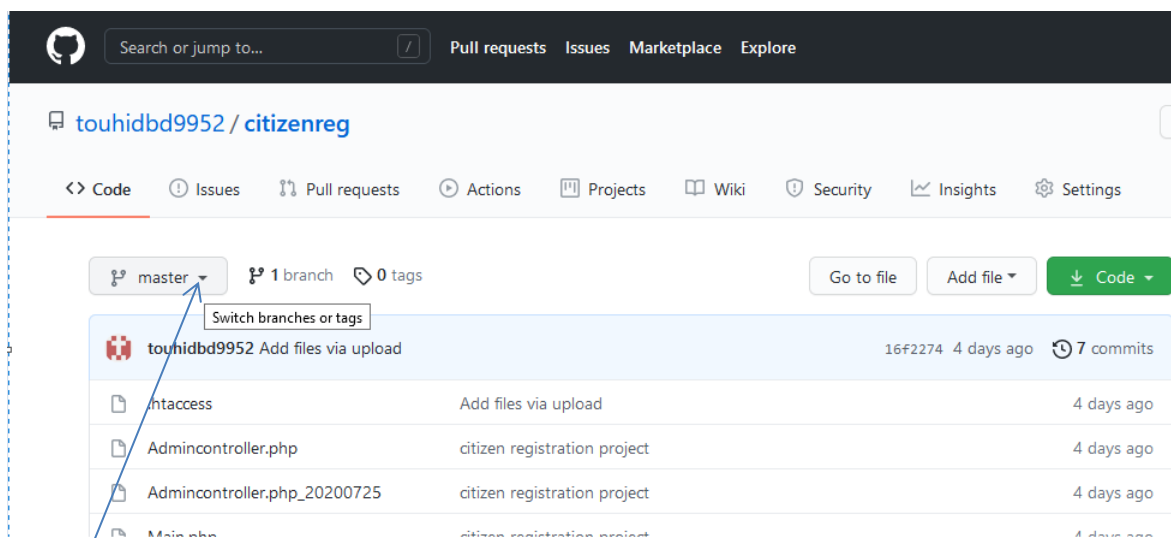
B= Branch B programmer

M is team leader, working with two programmer (A, B). A working in Branch A and B working in Branch B. When (A) complete his particular portion of task then request to (M) to marge his code to main project. When (B) complete his task, then he also send request to (M) to marge his code to main project. So these ways 3 programmer complete a project.

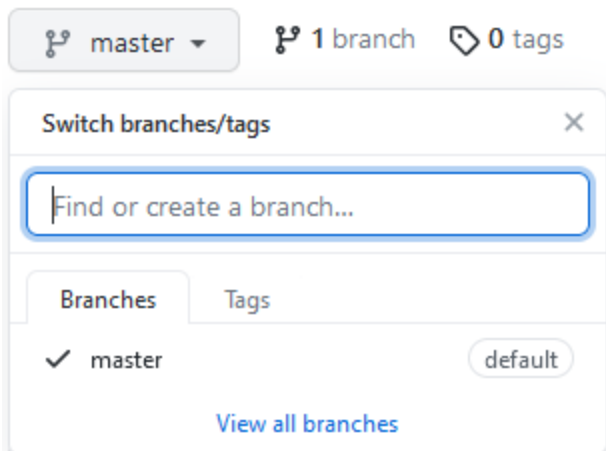
From the above example, we can get an idea about github branch and how programmers are work in a group by using github.

How to create a branch?

Ans. Login to your github account → select particular repository/project

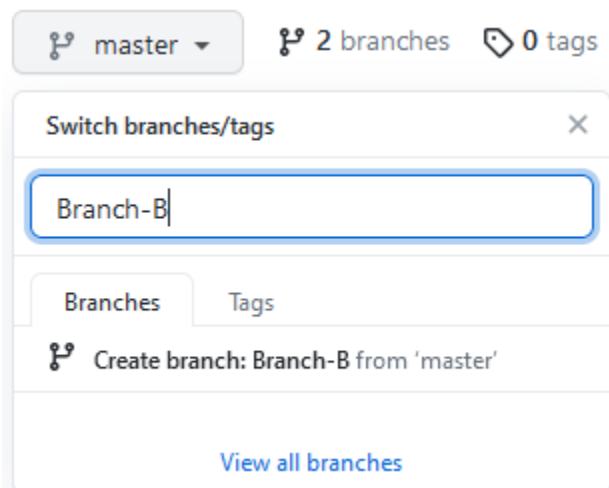


Click here



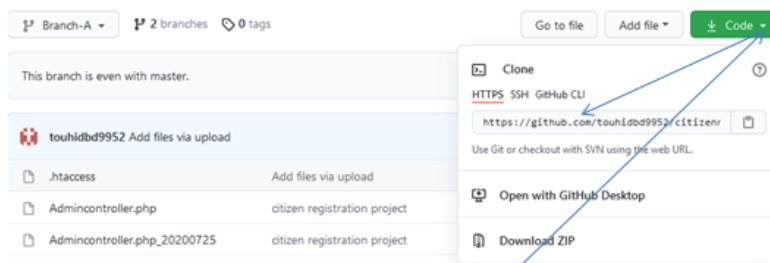
You will see like above “Find or create a branch”. Here you need to type your branch name that you want to create.

For example, we type “Branch-B” → click on “**Create Branch-B from master**” like below



6. How to download Project from Branch

- i. Create a folder in your pc and open it
- ii. Right click in blank space → Git Bash Here
- iii. //copy project path from github



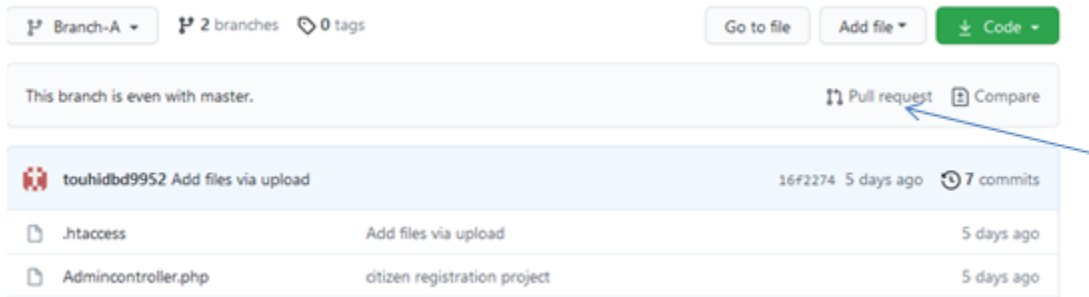
Project path

- iv. Type: `git clone git-project-path-link -b BranchName` ↴ // -b is branch

7. How to send request from Branch to master

To send request from branch to master, do the below task

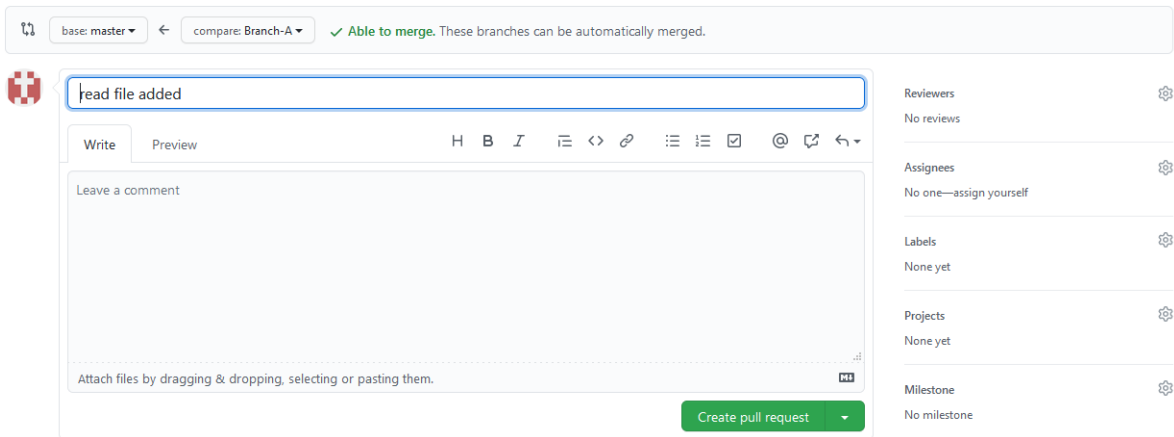
- Login to your github account, go to your branch
- Click on “pull request”



When we click on pull request below page will show

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](#).

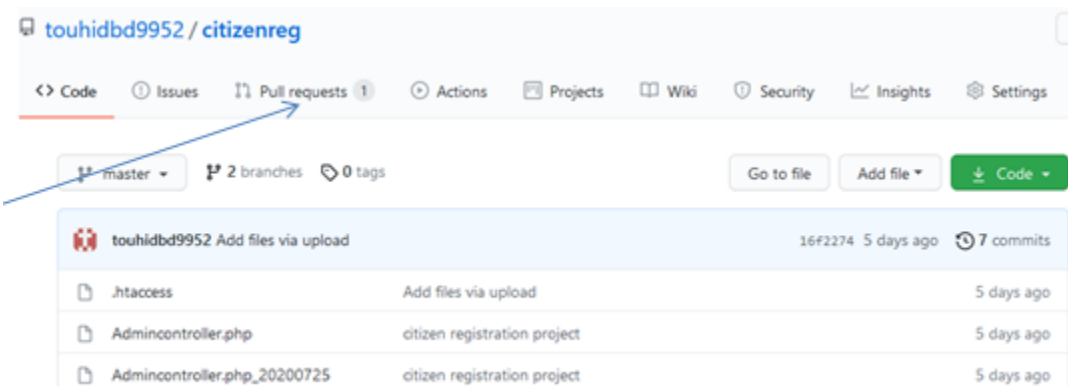


In above page, do the below task

- Write “Request message subject”
- Write “Request Message” to master (team leader)

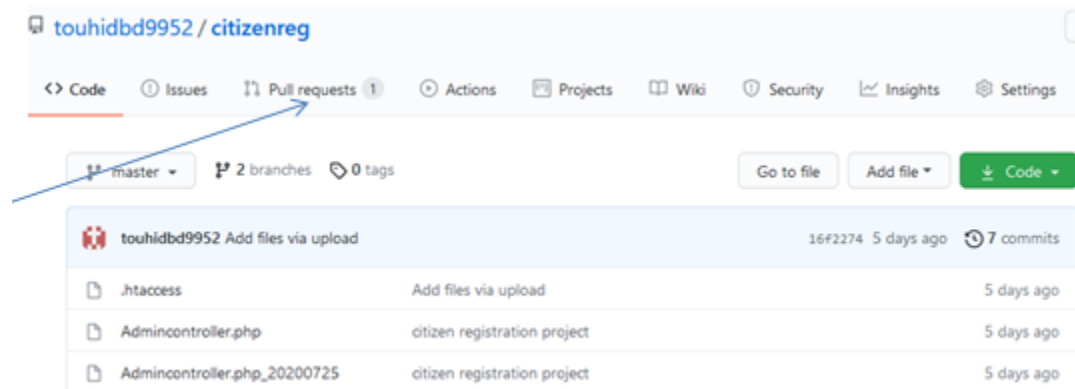
After fill-up above field, click on “Create pull request” botton

When pull request is created, it shows in pull request menu like below way

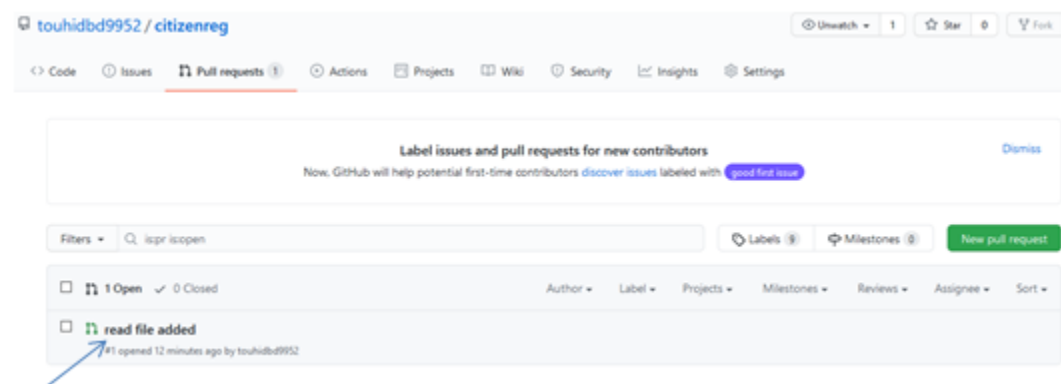


8. How to see pull request that send from another branch and merge code in main master

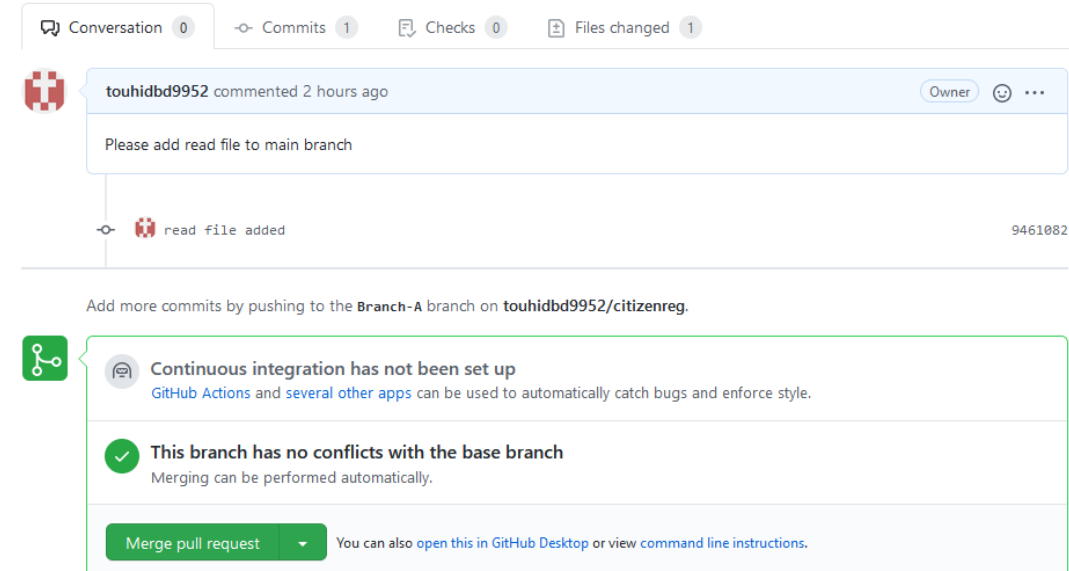
Click on pull request to see new request send from branch



When team leader click on “pull request” then request will show below way



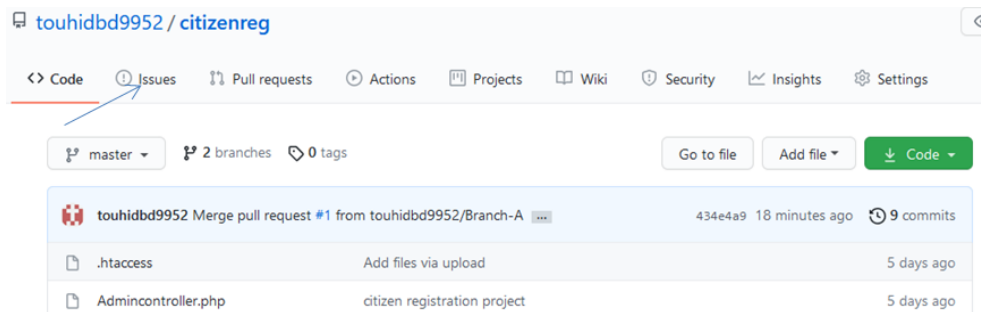
Click on particular “pull request” to see in details like below



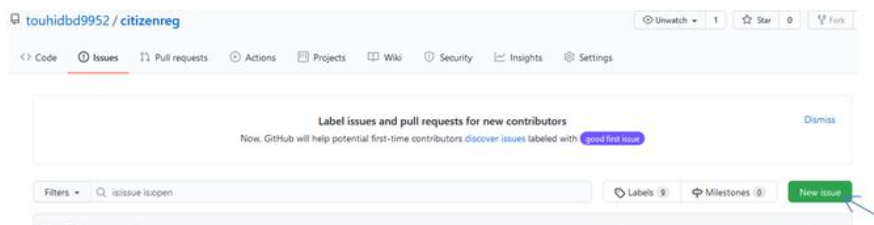
If team leader think, this code can be merge with master project then click on “Merge pull request” button → “confirm” button to update project by new change.

9. Assigning Task To Group or Particular Person

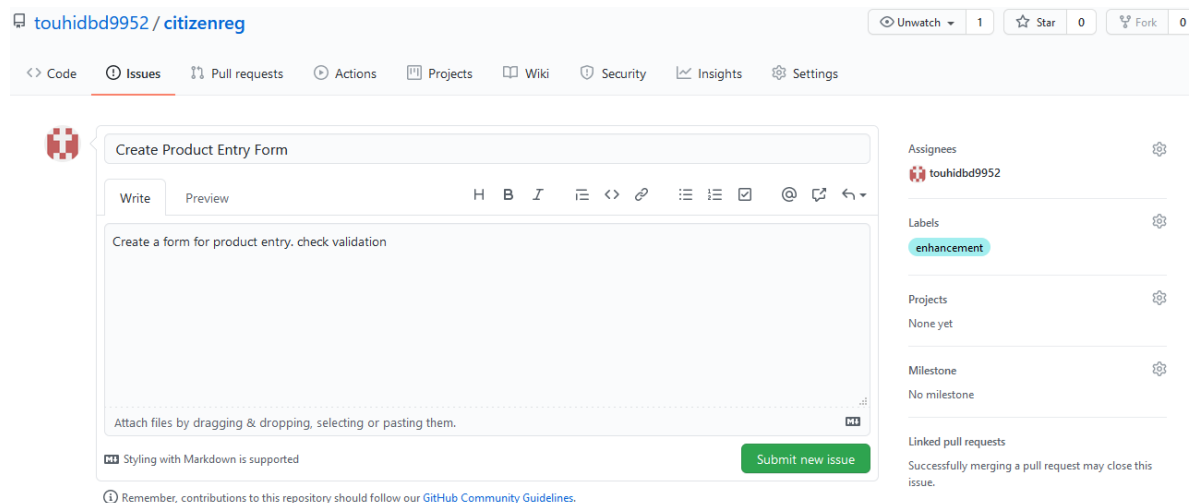
Login to github account and open your particular project repository, do the below task



i. Click on “Issues” → New Issues



New issue form will open like below,



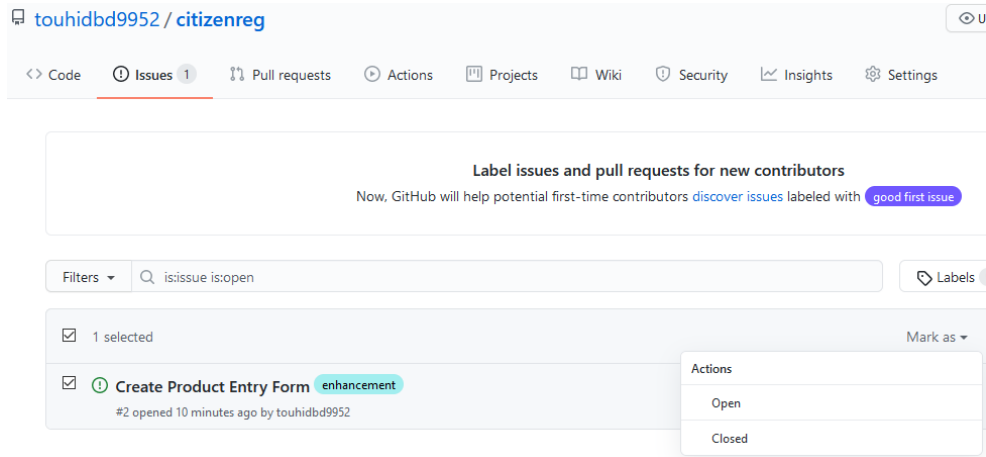
- Subject: write an issue subject
- Message: detail information about new issue
- Assignees: select person to assign task
- Labels: select task problem type

After fill-up about information properly, click on “Submit new issue” button

10. When solve issue doing what?

If particular issue is solved, do the below task

- i. Select issue that solved by check marked
- ii. Click on “Mark as ▼” → Closed (select it)



11. How to delete unwanted Repository

To delete unwanted repository, do the below step

- i. Go to github.com → login to your account
- ii. Open your particular unwanted repository → Setting → Danger Zone → Delete this repository