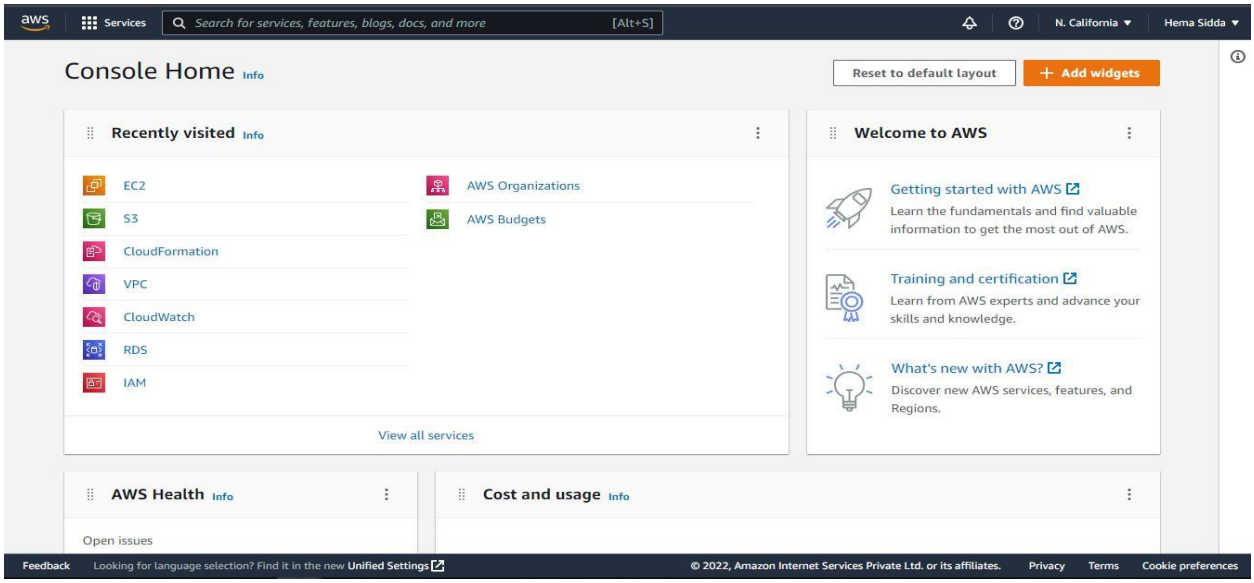
GIT-Version Control system(vcs)

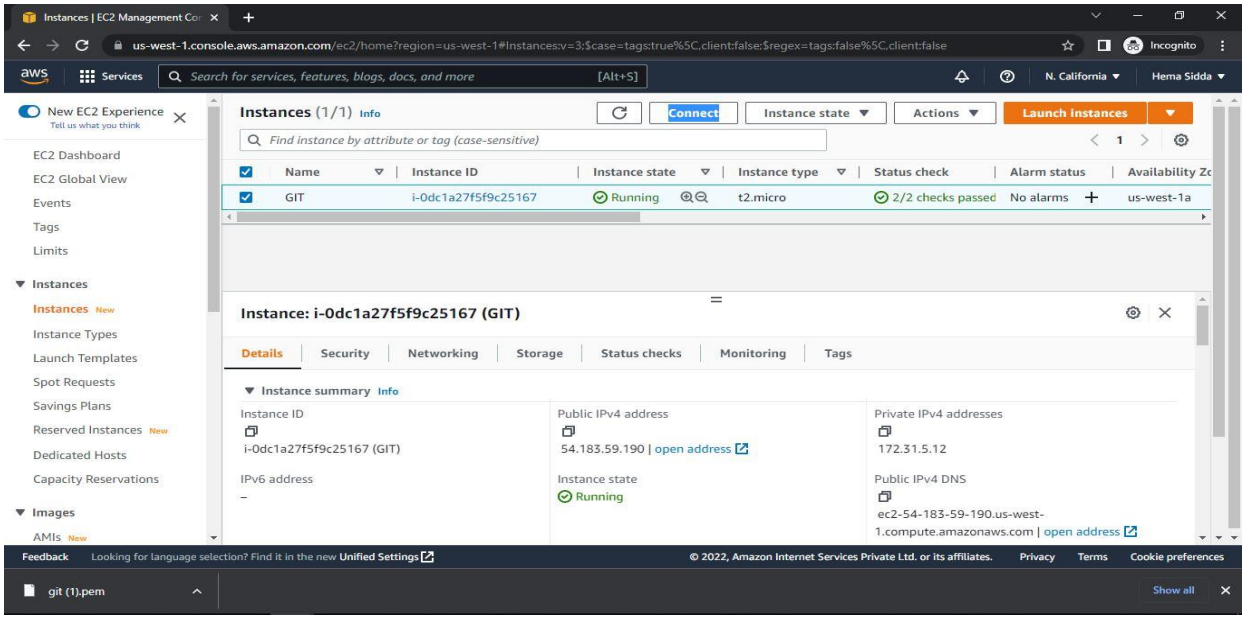
LAB-1

Creating EC2 Instances:

- Login to the AWS account.



- Create the ec2 instance with Amazon-Linux(AMI) with SSH(22) at Security group.



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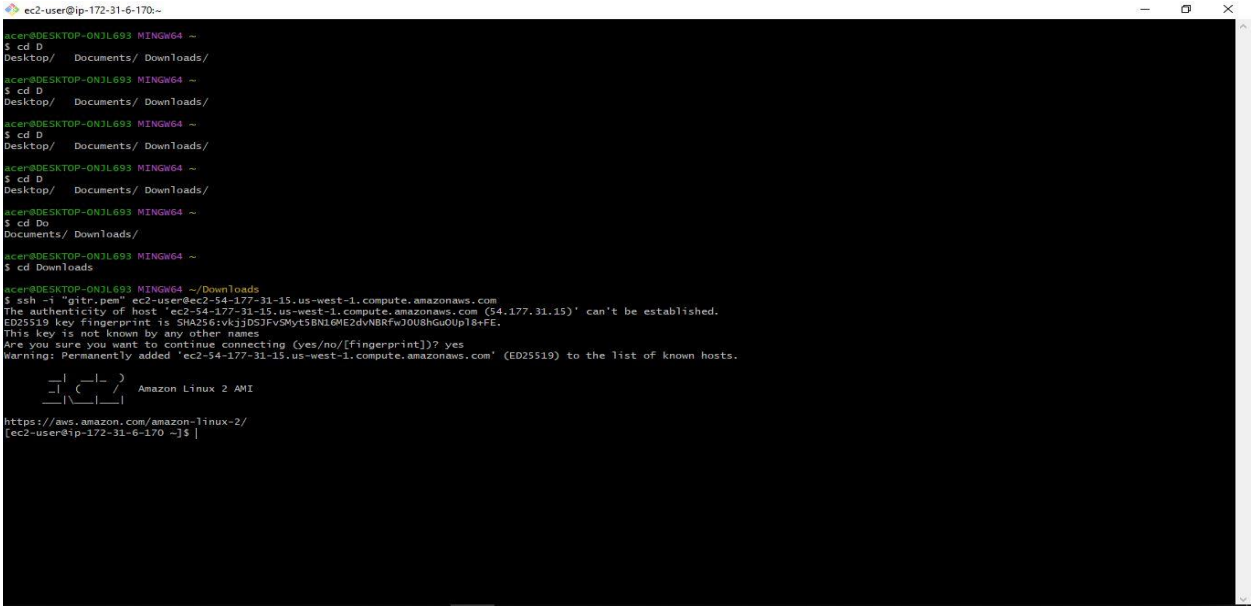
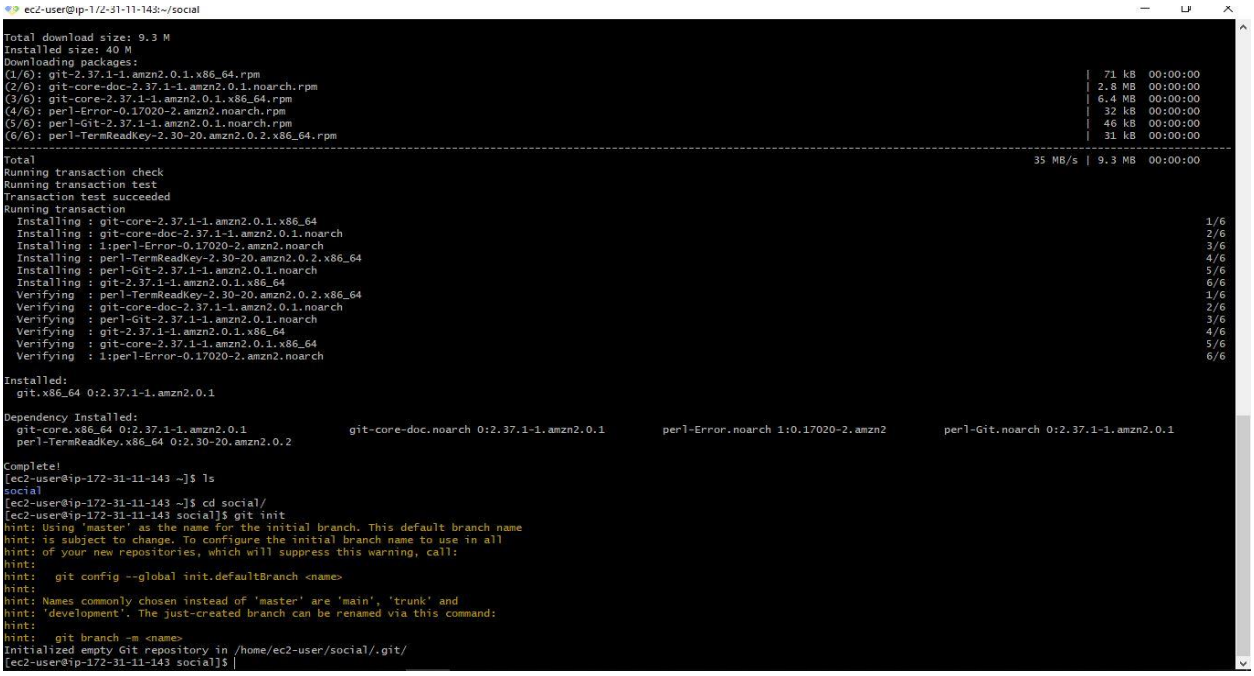
- Install Git-bash and Connect the local machine to virtual server by using SSH command of created instance.



LAB-2

Create Repo In Local Manchine:

- Create the empty directory and initialize it by using git init command.



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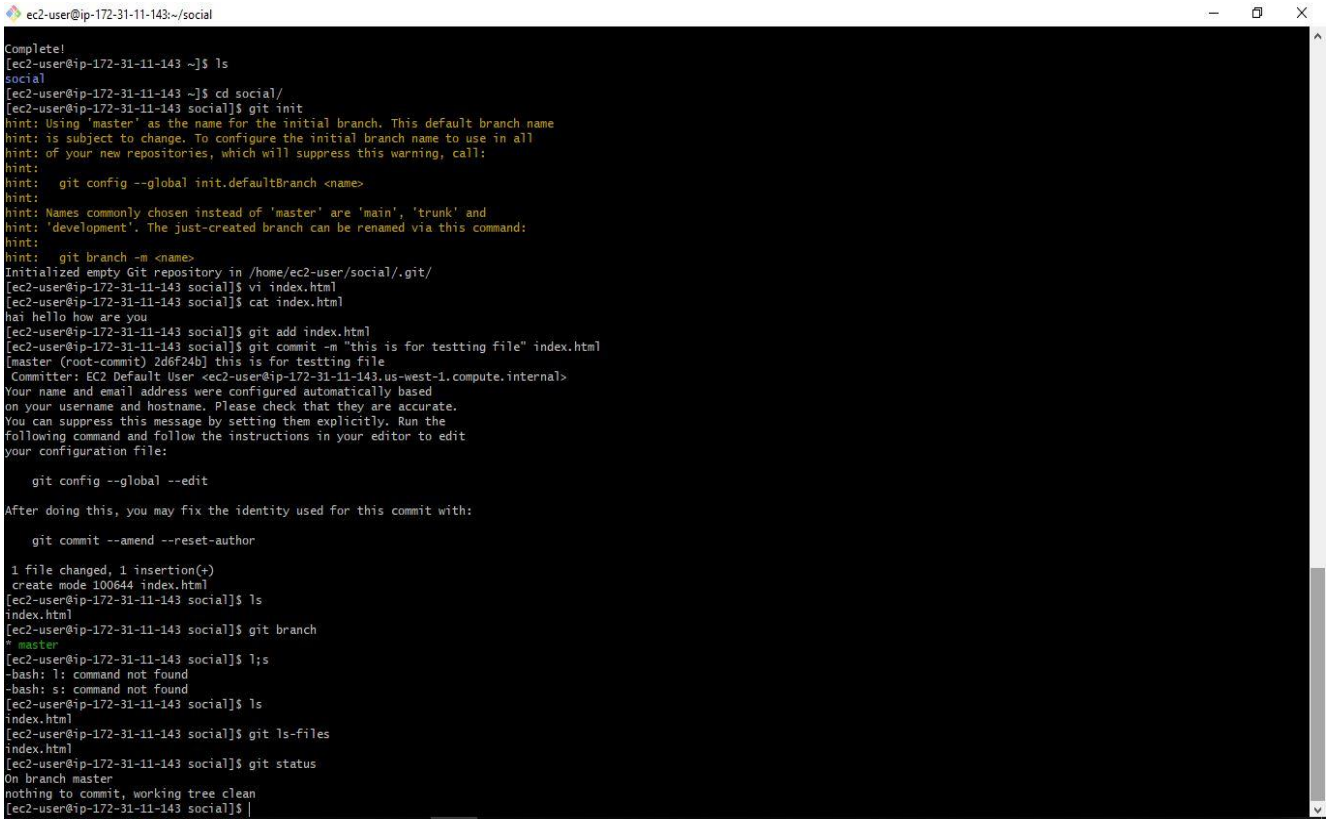
- Create the file in vi mode along with some data by using command as
    a. vi <filename.html or .txt>
- Add and commit the created file by using command as
    a. git add <filename>
    b. git commit –m “file information” <filename>
- Now check git status and git branch by using command as

    a. git status

    b. git branch

Check the created file tracked by git or not by using command as

    a. git ls-files



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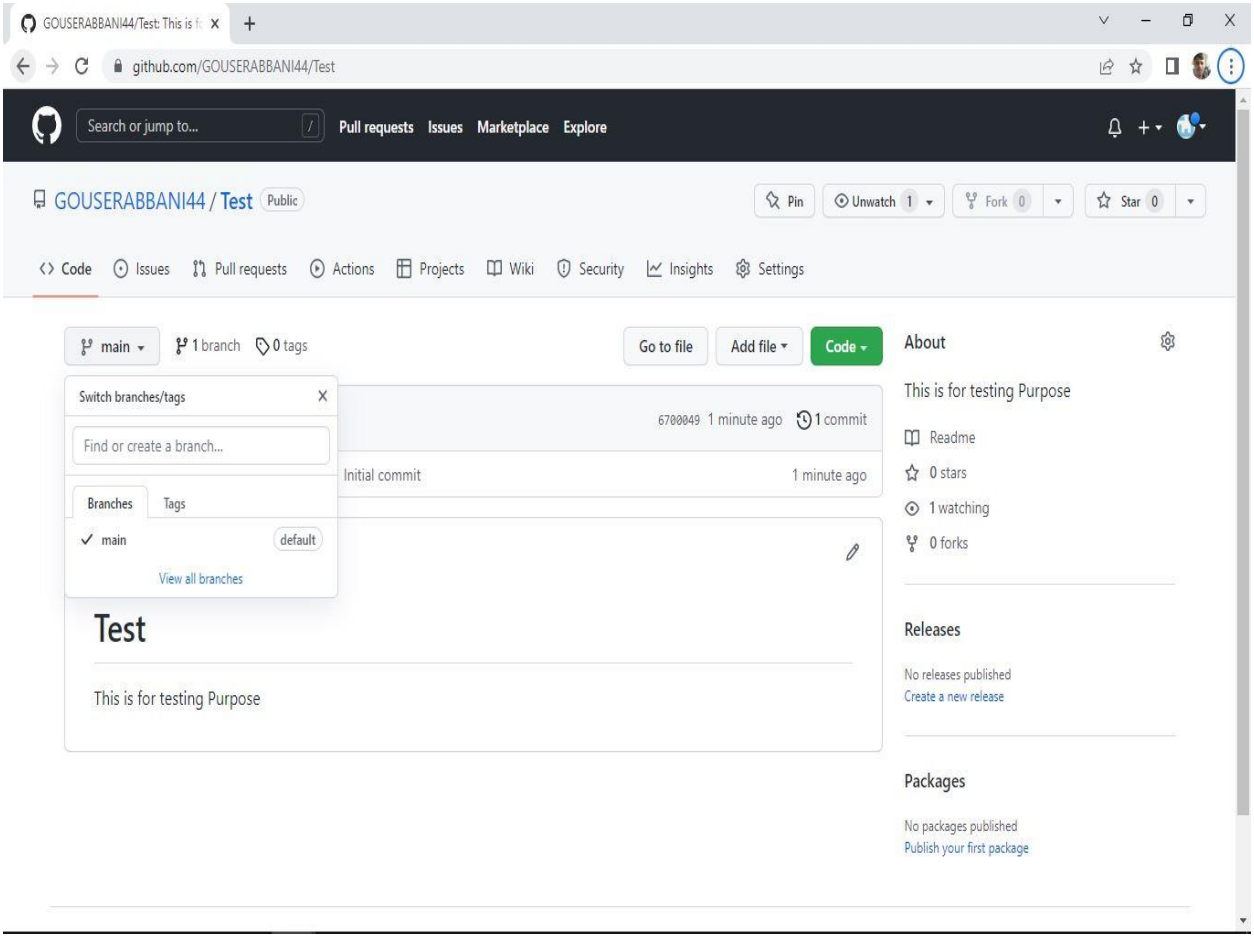
LAB-3

Creating repo in remote location-github:

- Go to Git-hub account and go to new select it and create a repository with selecting README.md file.
- Finally the repository created in remote location Git-hub.

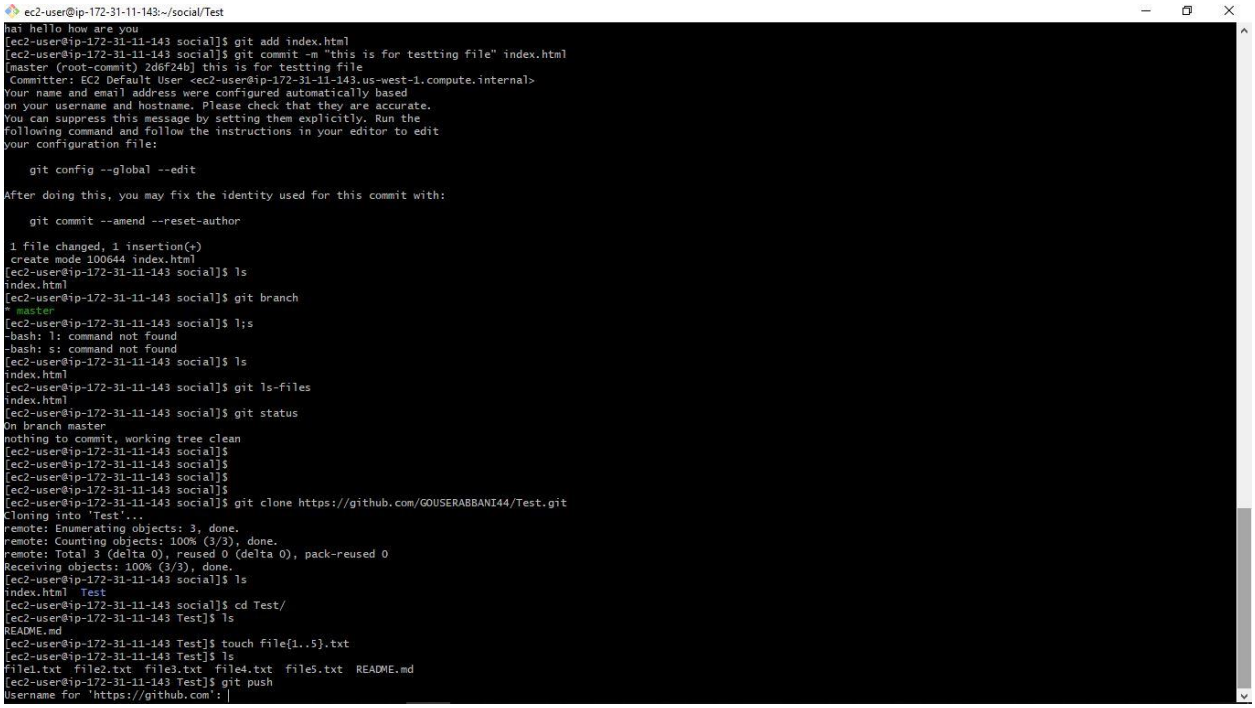


GIT-Version Control system(vcs)

LAB-4

Working on remote repo:

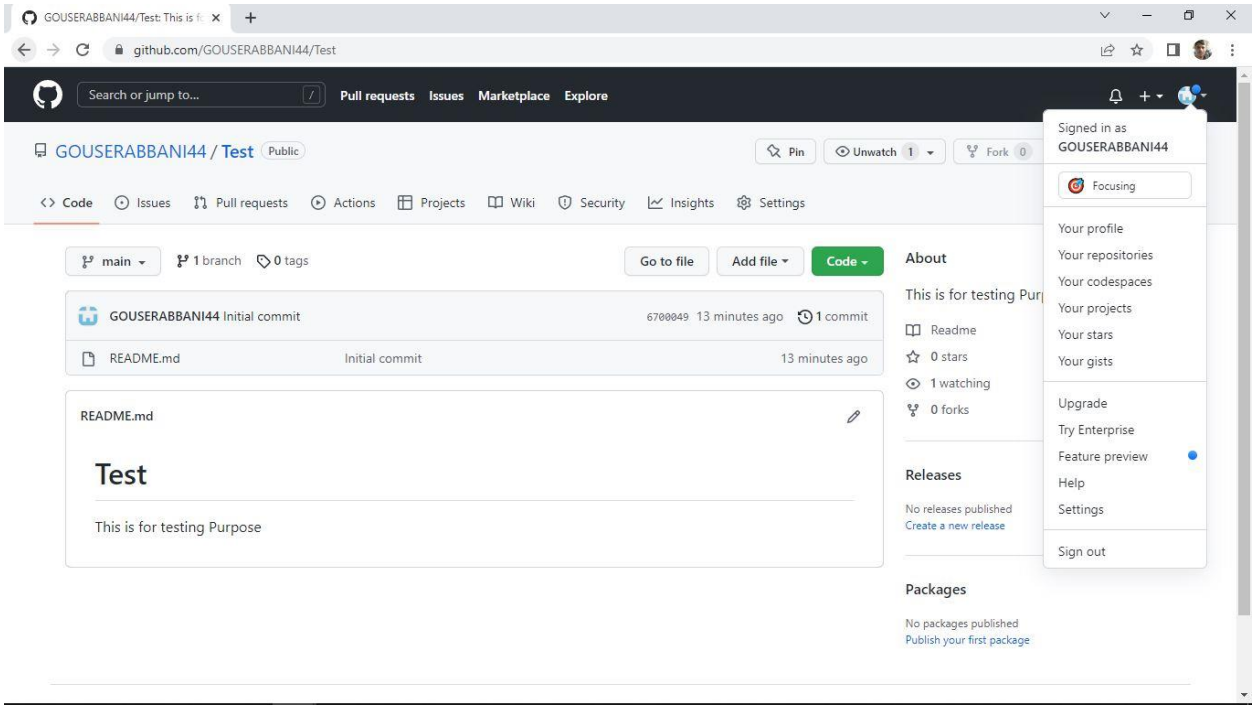
- Clone the repository to local machine from github by using command as
  a. git clone <the https url link of repository>

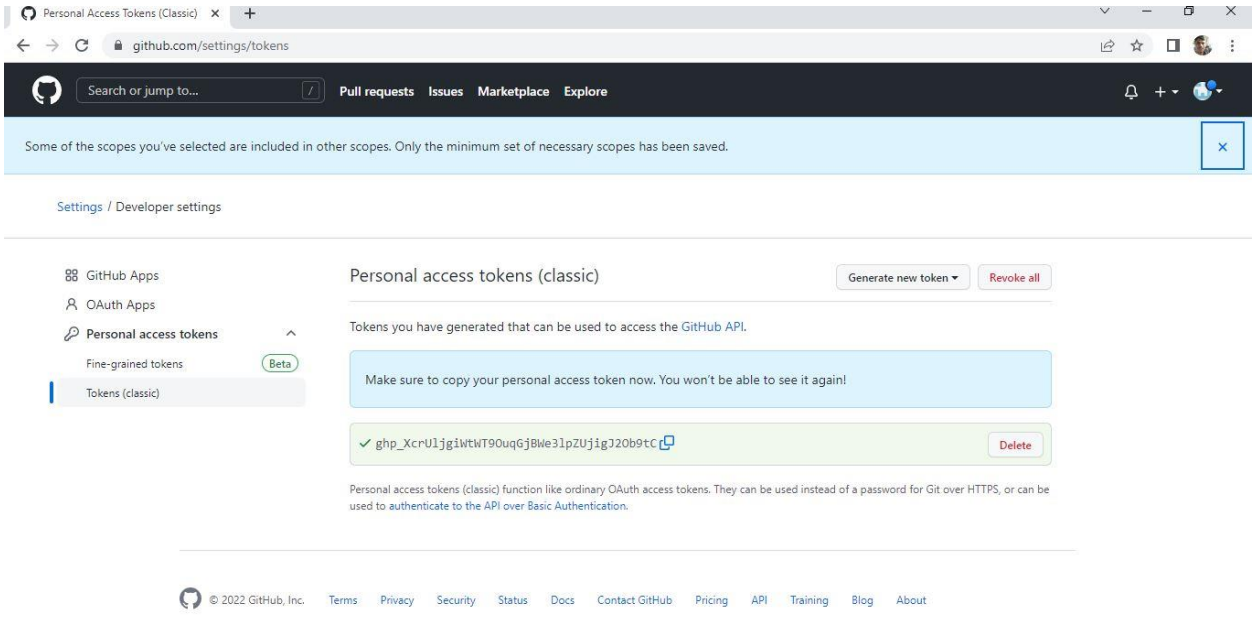


- Create a file and add it and commit it and finally push it by using PAT(Personal Access Tocken).

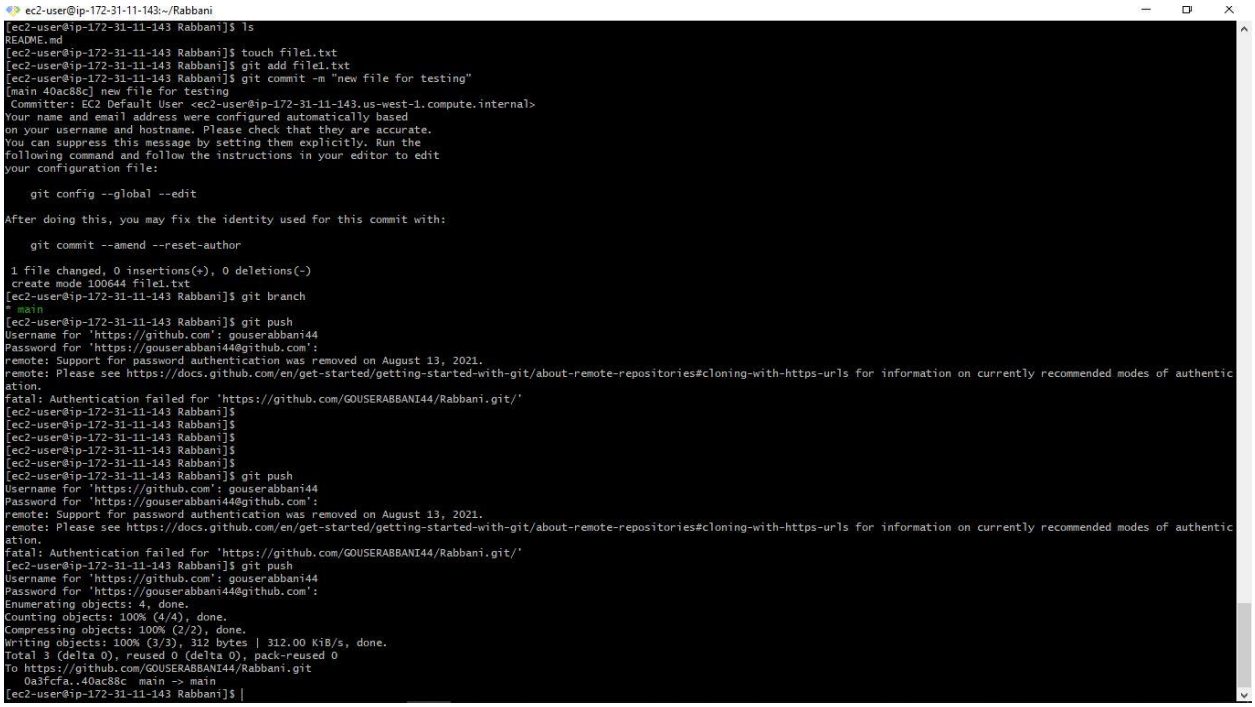
- Now go to the github account and go to settings, and go to developers setting and click on generate token by giving expire date.

GIT-Version Control system(vcs)

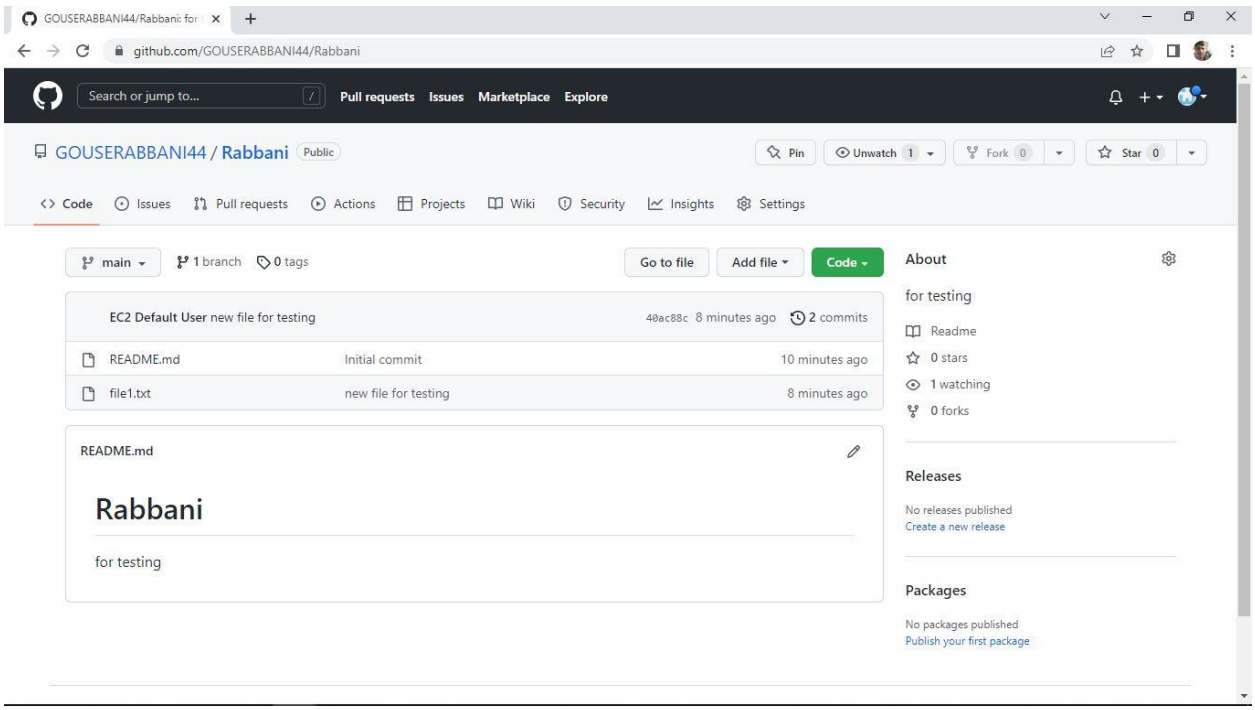




GIT-Version Control system(vcs)



- Finally the main branch files are pushed from local machine to github.



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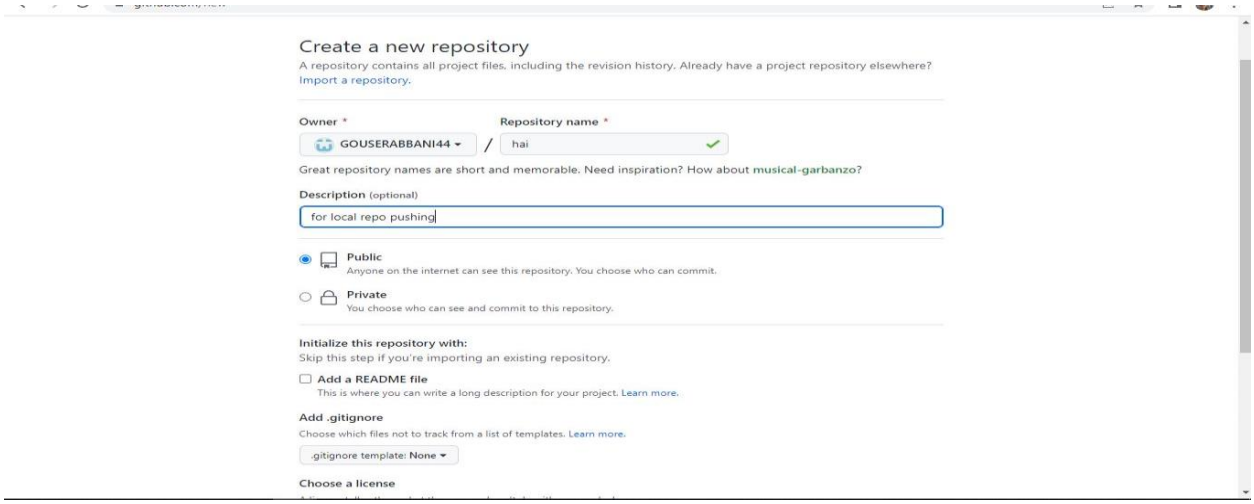
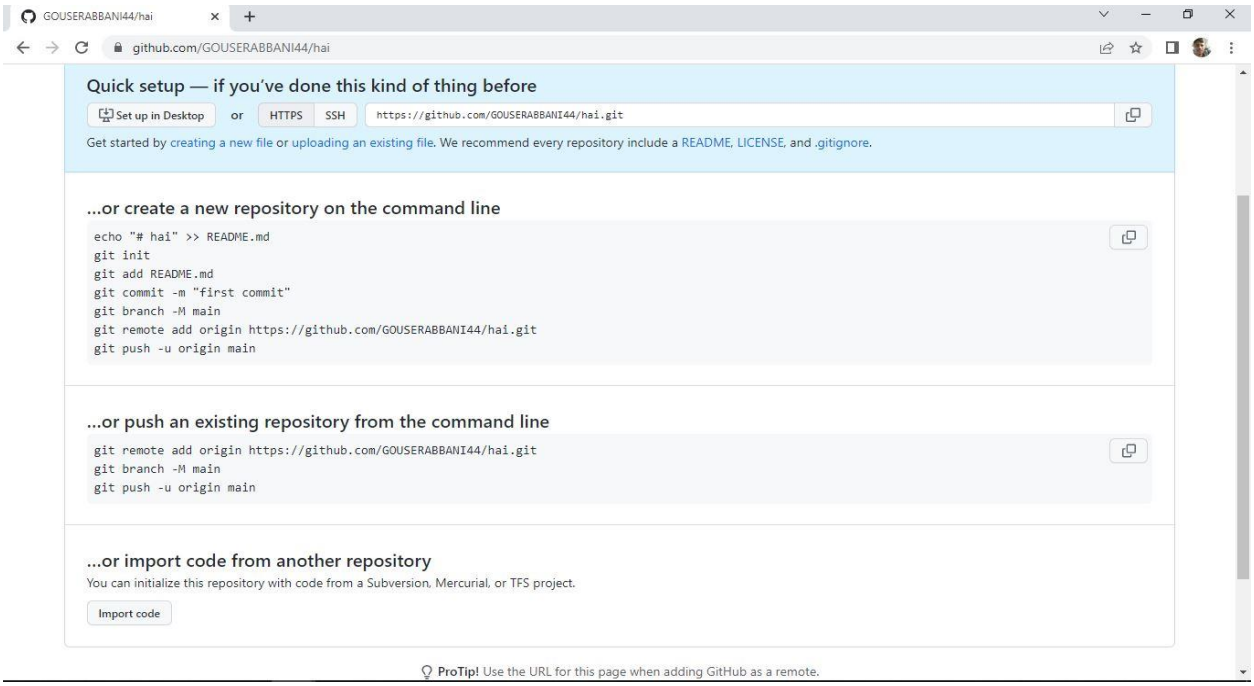
LAB-5

Pushing a locally created repo to Github:

- Now go to github and create a empty repository without adding README.md file.

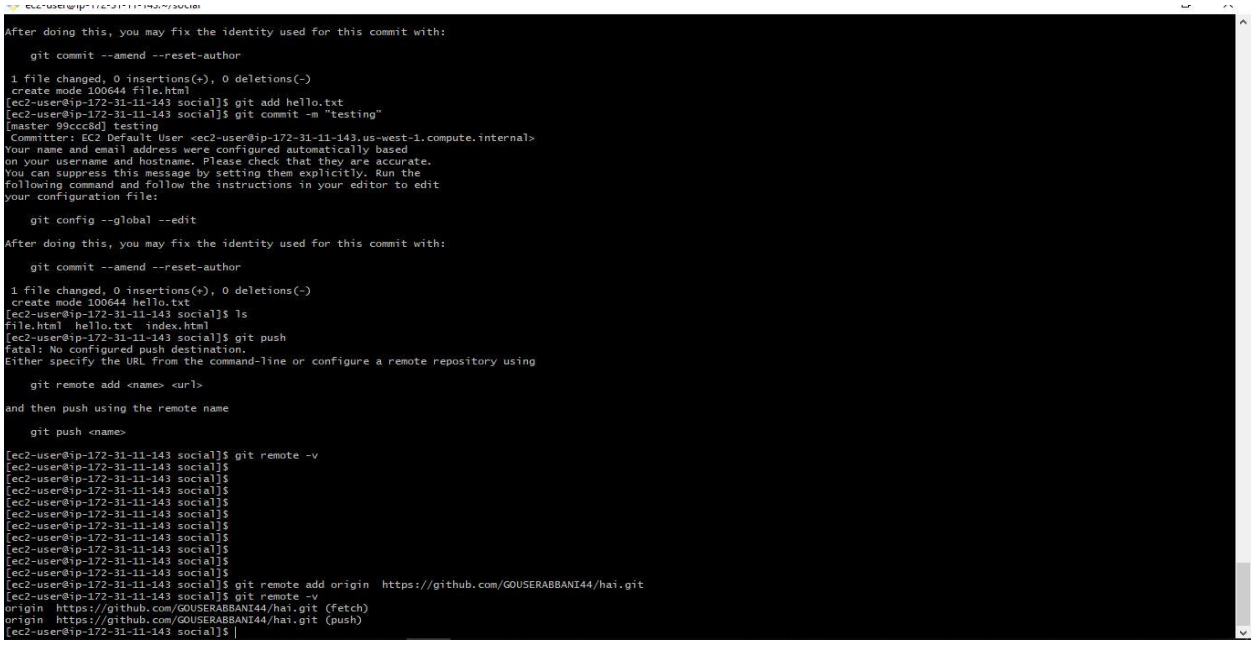


- There is command to give fetch and push paths along with created empty repository HTTPS URL link.

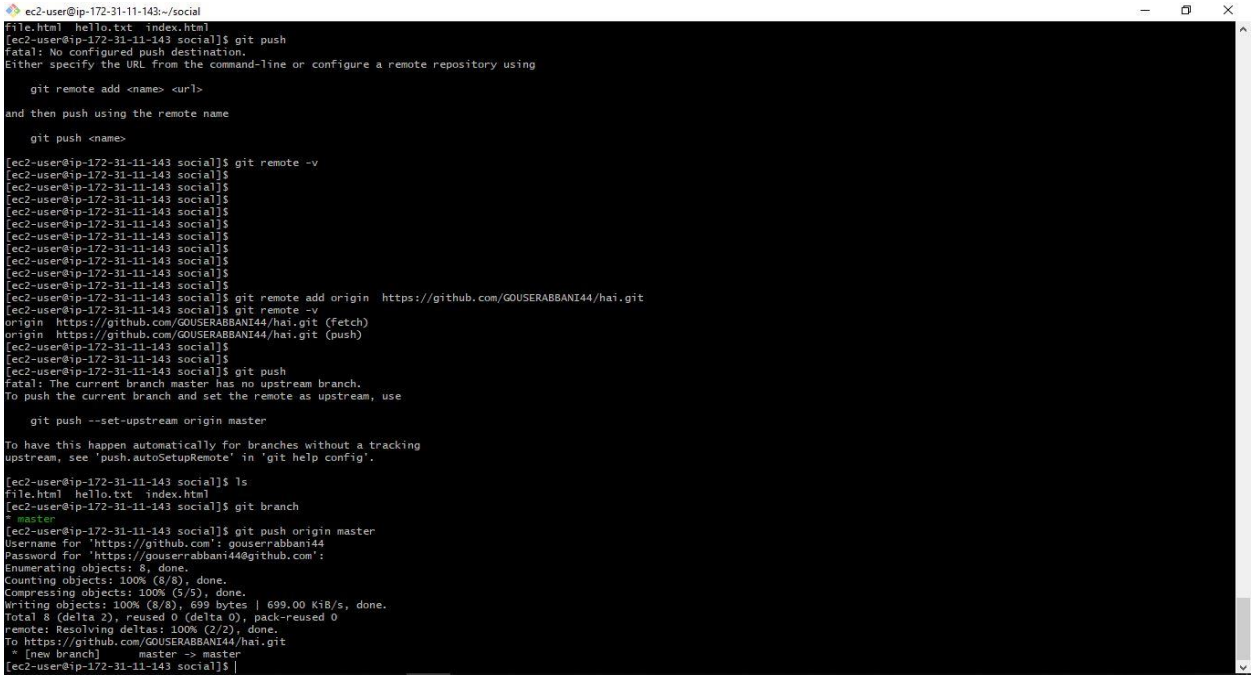


GIT-Version Control system(vcs)

- Now go to terminal and past this command as
  a. git remote add origin <The URL link of empty repository>.



- Now push the all branches files of local repository to git hub by using command as git push --all or git push origin <branch>.



- Finally all branches files are pushed to github successfully.

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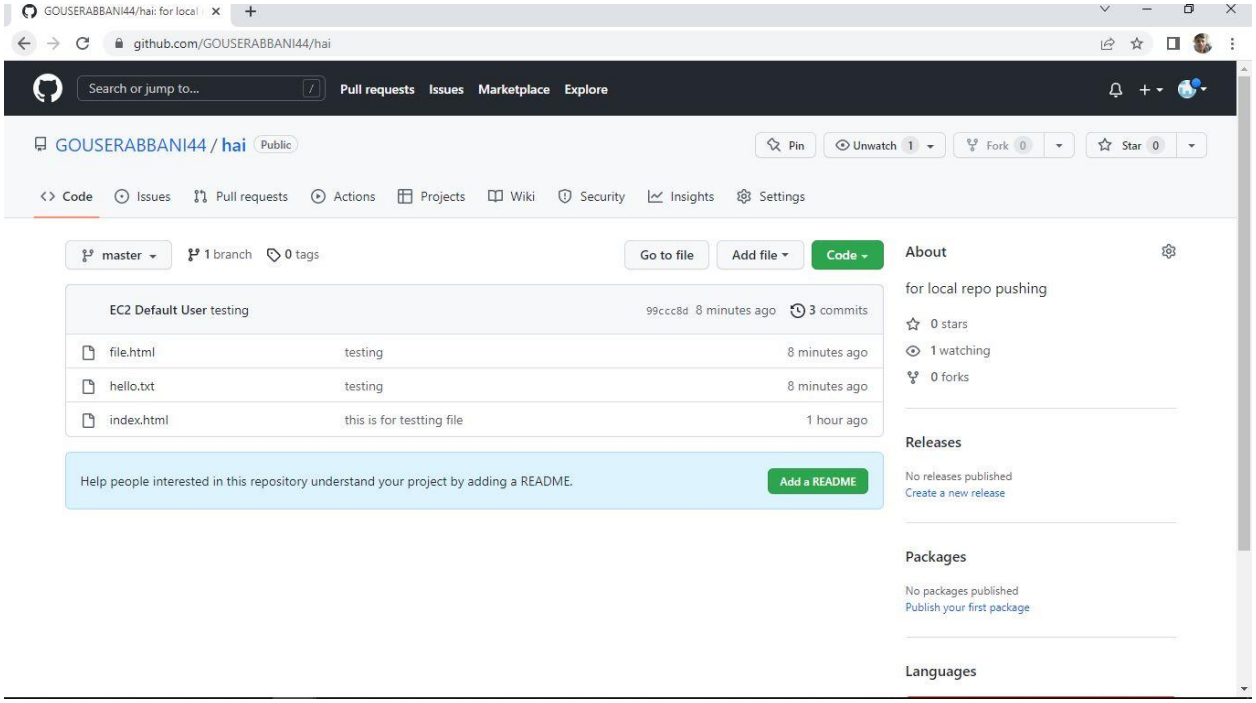
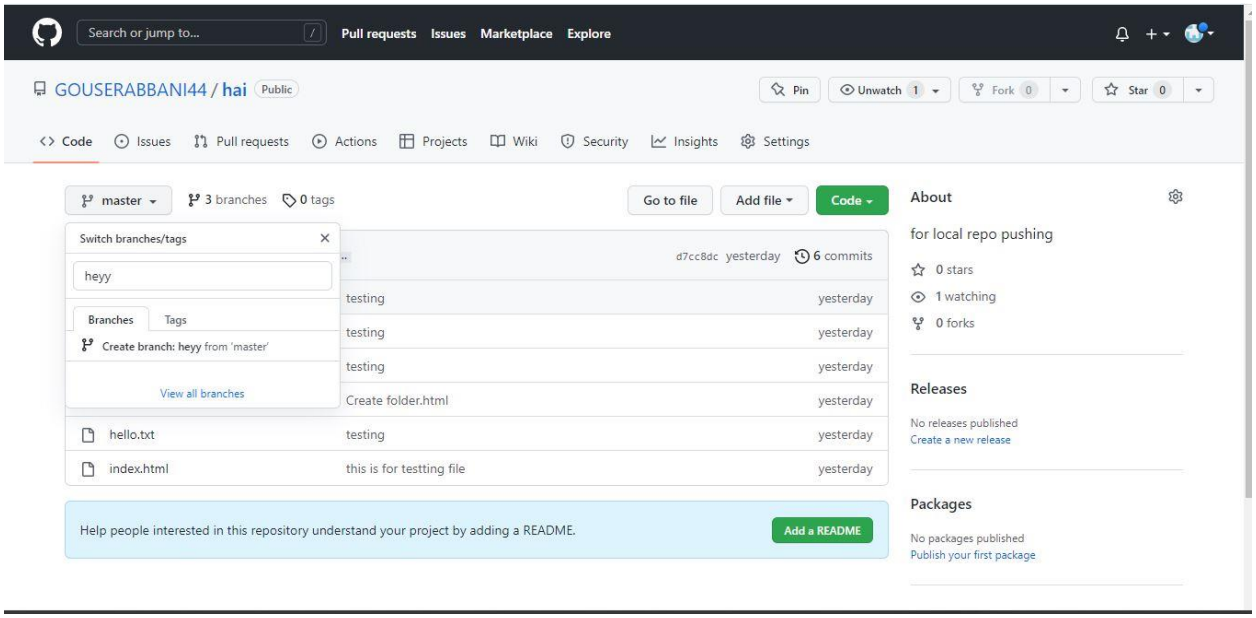


LAB-6

Crerate new branch from your master branch:

- Go to master branch dropdown button click on it and enter new branch name and click on create branch name.



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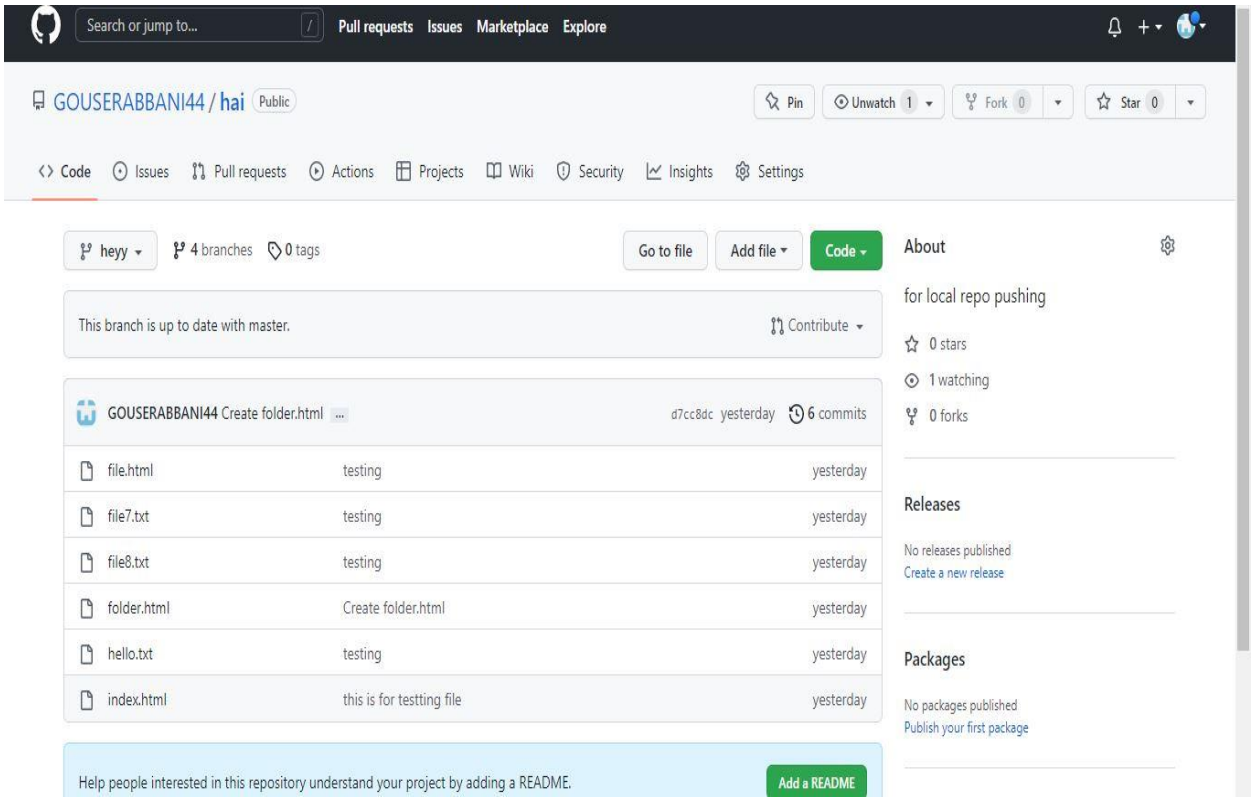
- Now successfully the new branch is created along with the all files of master branch.



LAB-7

Pull all branches to local machine:

- Pull all branches to local machine by using command as git pull –all.
- Go to created branch from master branch by using command as git checkout <branch name> and Create some files in created new branch add it and commit it.

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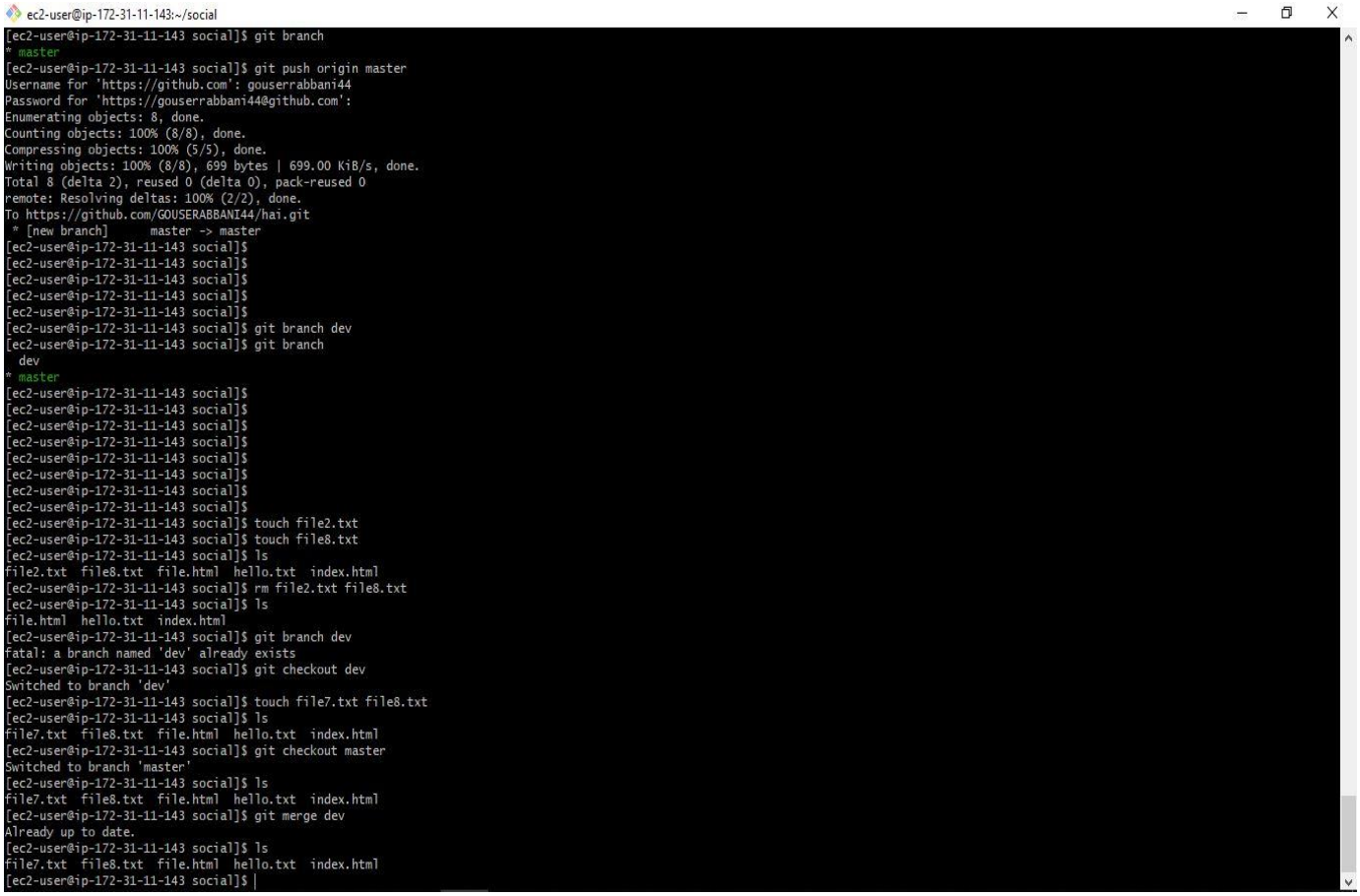

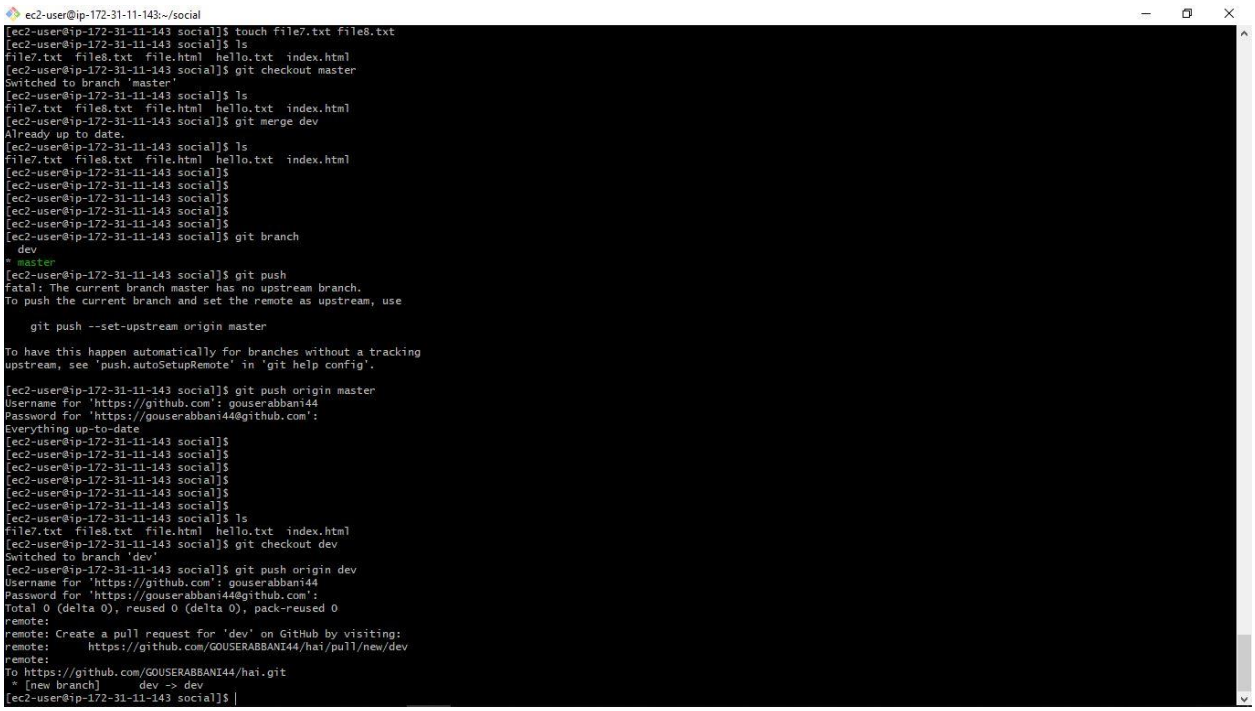

- Now push the all branches to the git hub buy using a command as

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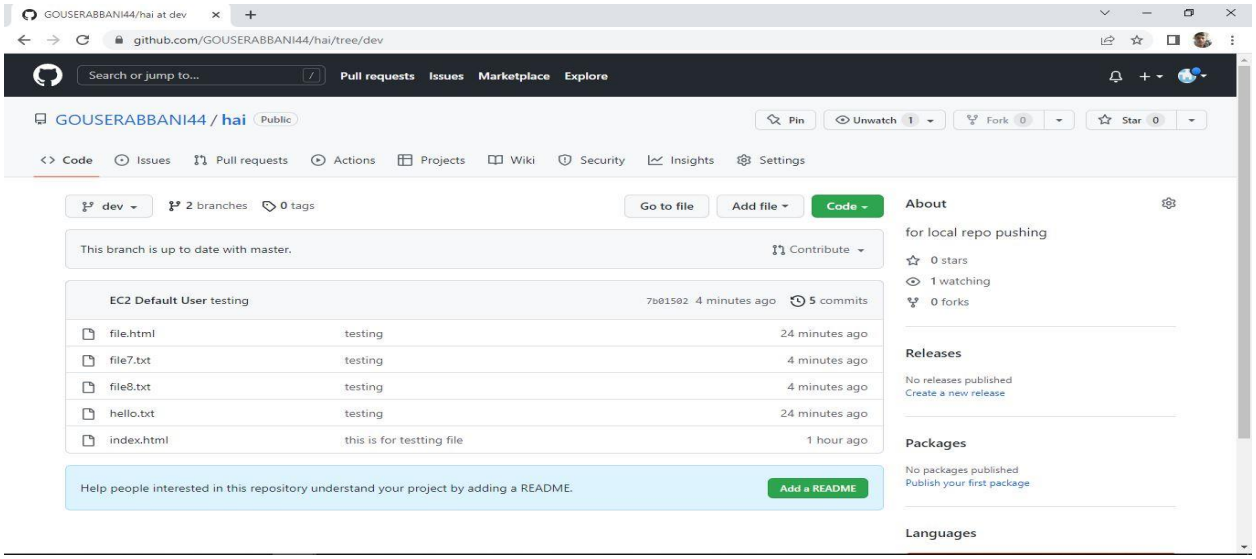
a. git push –all.

- Now go to git hub check the branches the master branch is doesn't change. But the newly created branch files are changes.



LAB-8

Merge feature branch with master branch:

- First go to master branch click on create pull request and select created branch and click on create confirm merge request.

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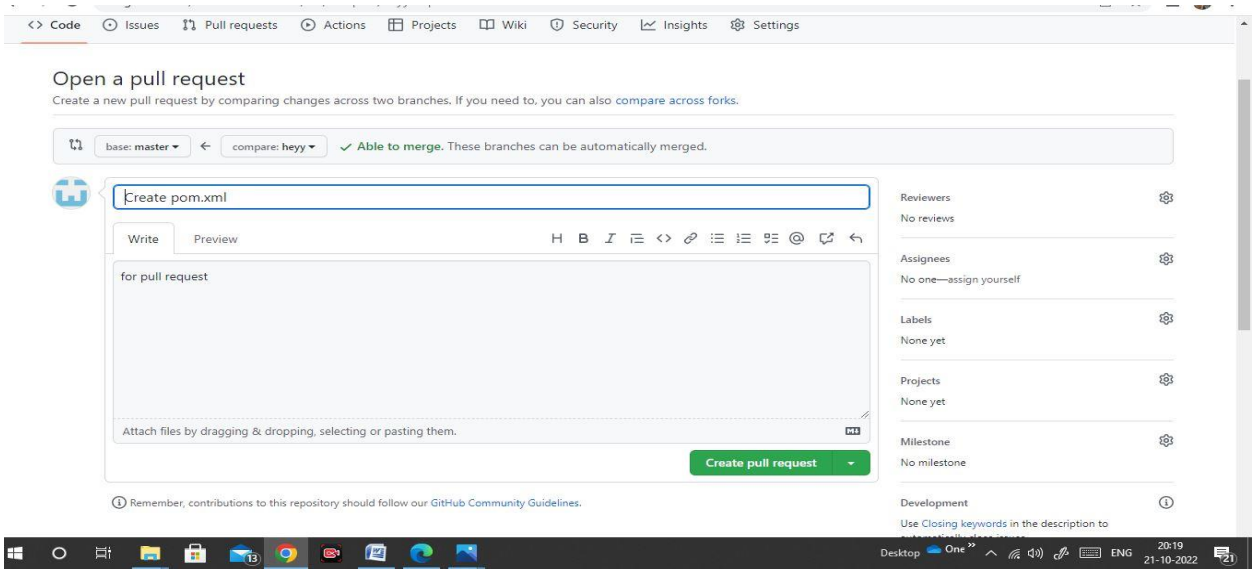
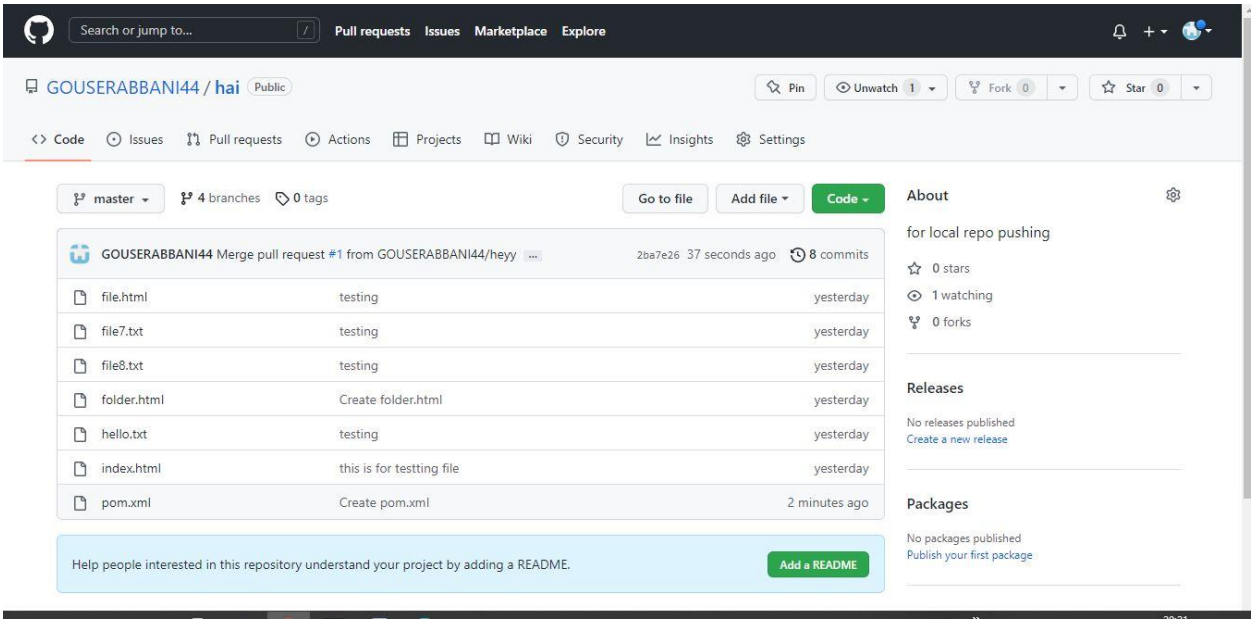


- Finally the pull request is created and a new branch merged with master branch.



LAB-9

Go to local machine:

- Now go to local machine and pull the all branches from git hub by giving a command as git pull –all or git pull origin <branch name>.

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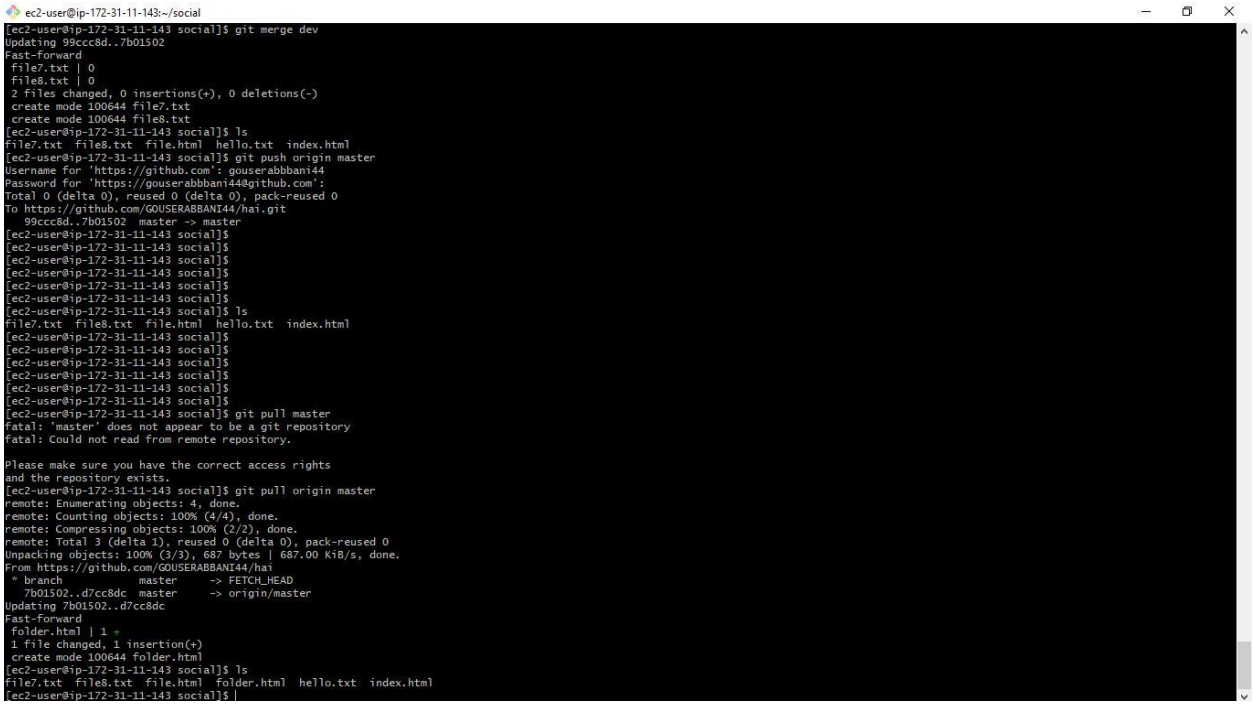
GIT-Version Control system(vcs)



- Finally master branch and newly created branch both are have same files like in repository have same files in github from which one we pulled that repository.