LAB # 14

Introduction to GitHub

OBJECTIVE

Performing commit, push, and pull operations from eclipse repository and analyzing version changes on Git repository.

You must know:

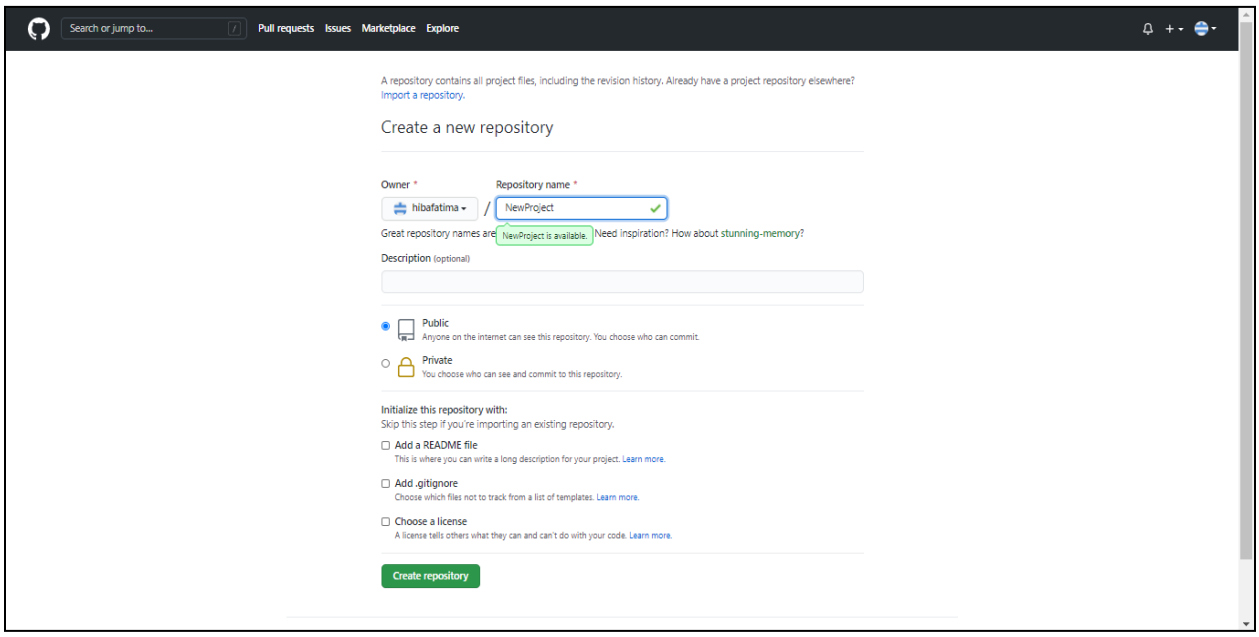
- How to create GitHub repository

What you'll learn:

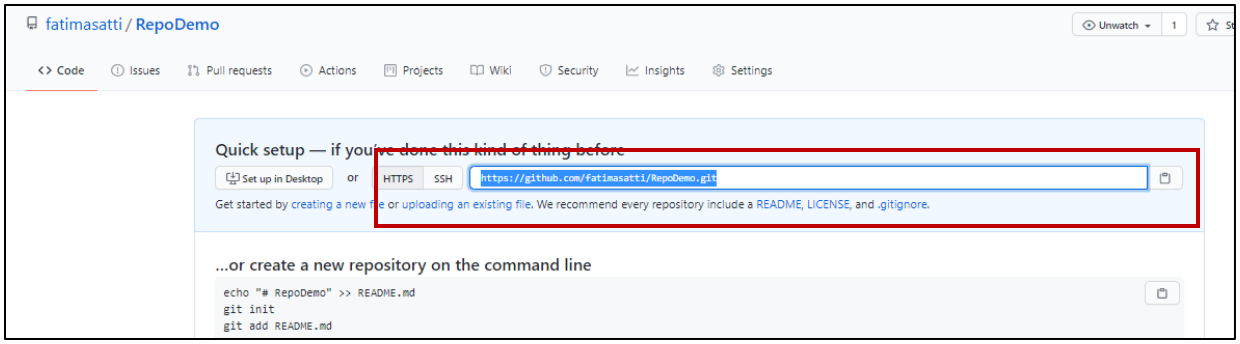
- How to clone repository in eclipse.
- How to add eclipse project to GitHub repository.
- How to commit, push and pull the changes.

Step 01: Create GitHub Account and SignIn

Step 02: Create a Repository.



After creating repository, copy the URL.



Step 03: Start Eclipse.

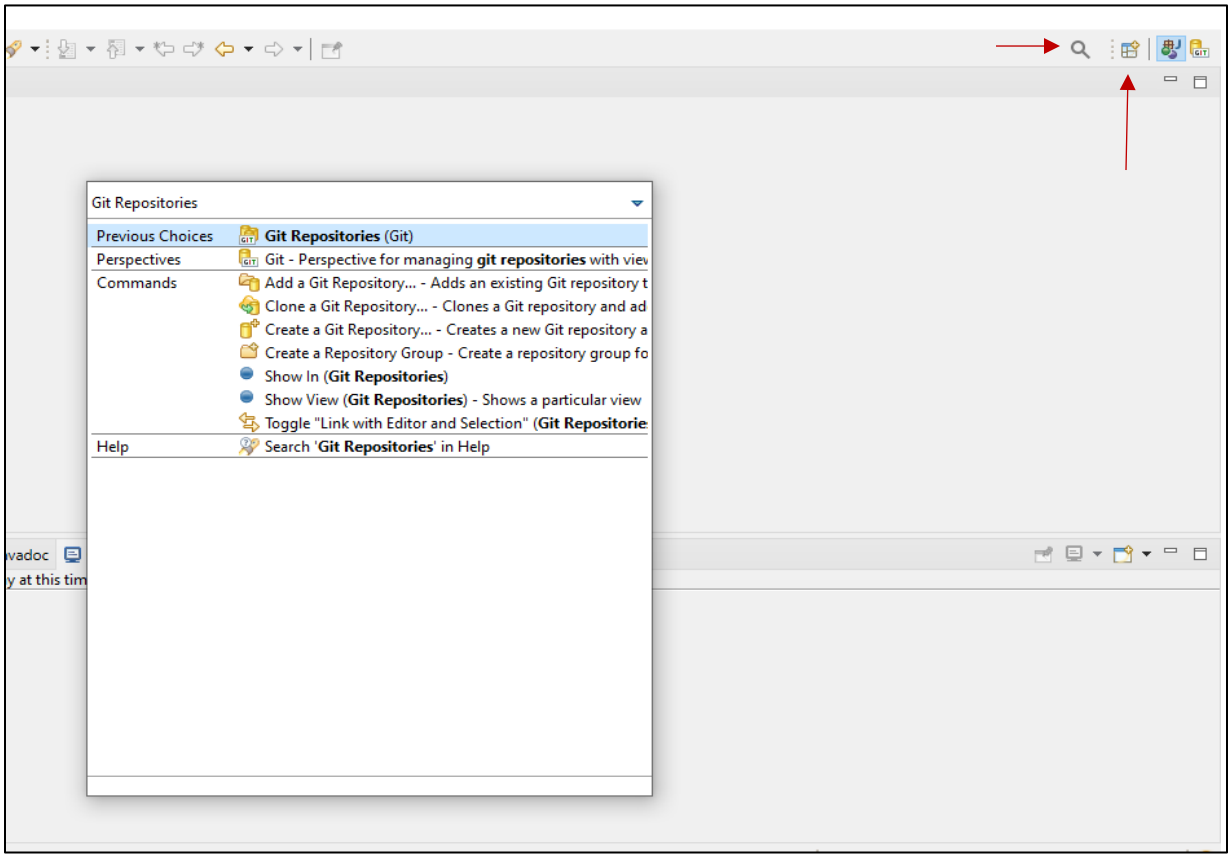
Step 04: Go to Perspective → Git Repositories → Add Git Repositories

Or

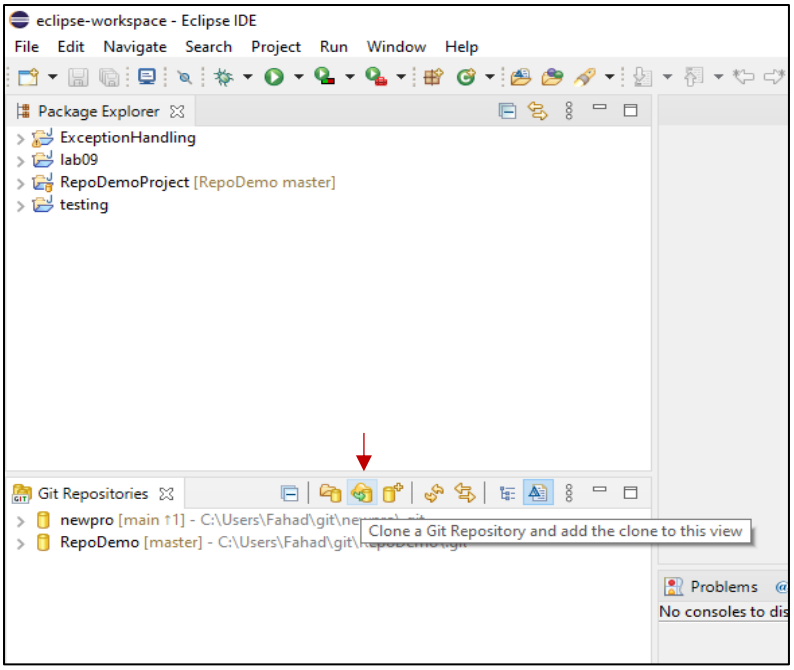
Window → Perspective → Open Perspective → Other → Add Git

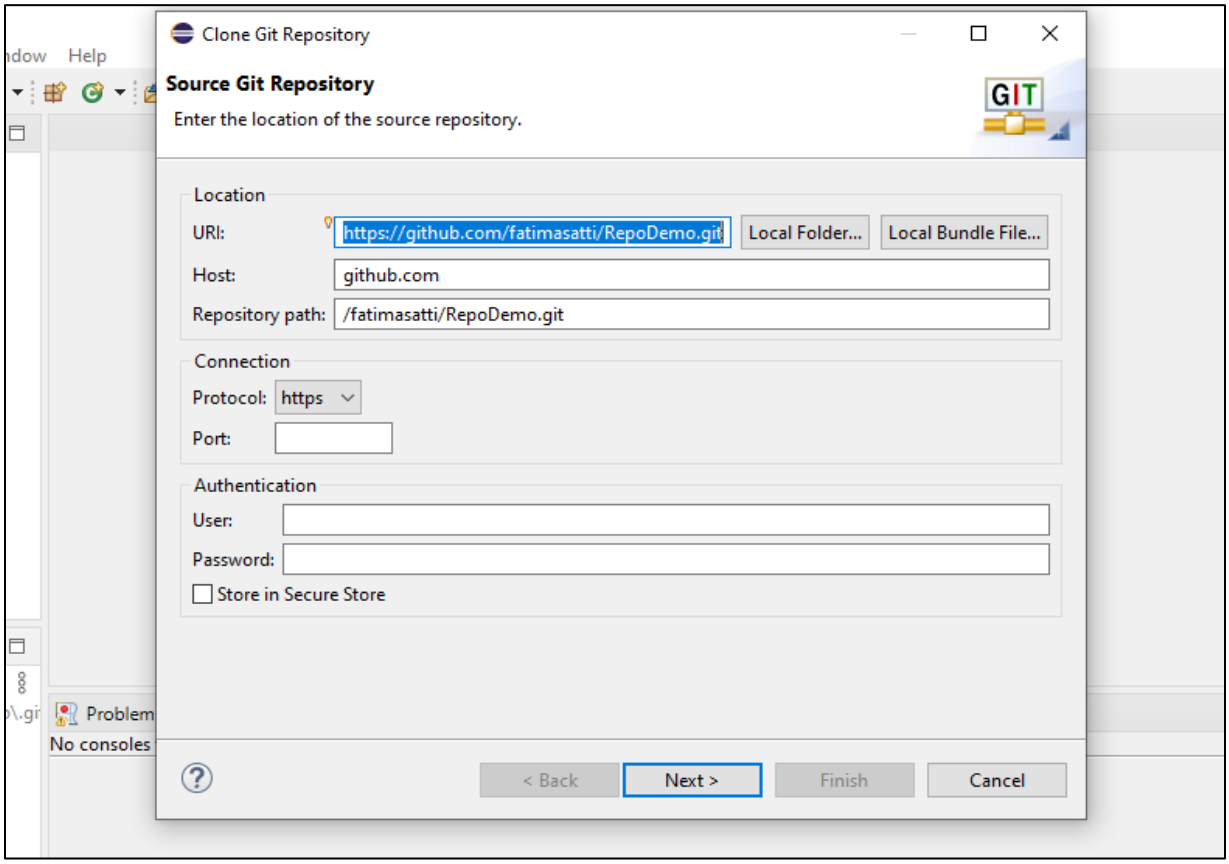
Or

Search for Git Repositories

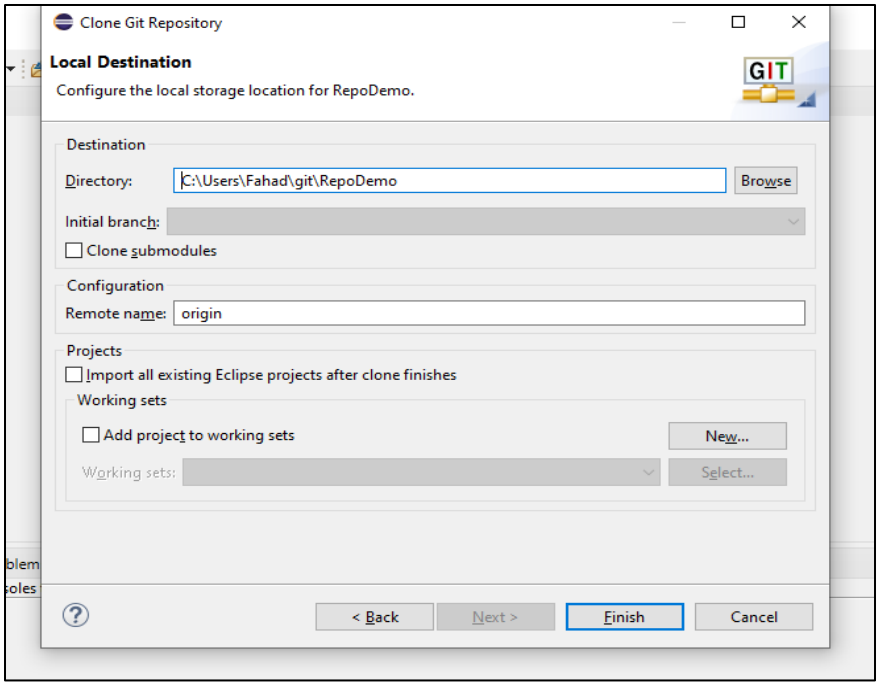


As we have already created repository in GitHub, we will now clone that repository in Eclipse.

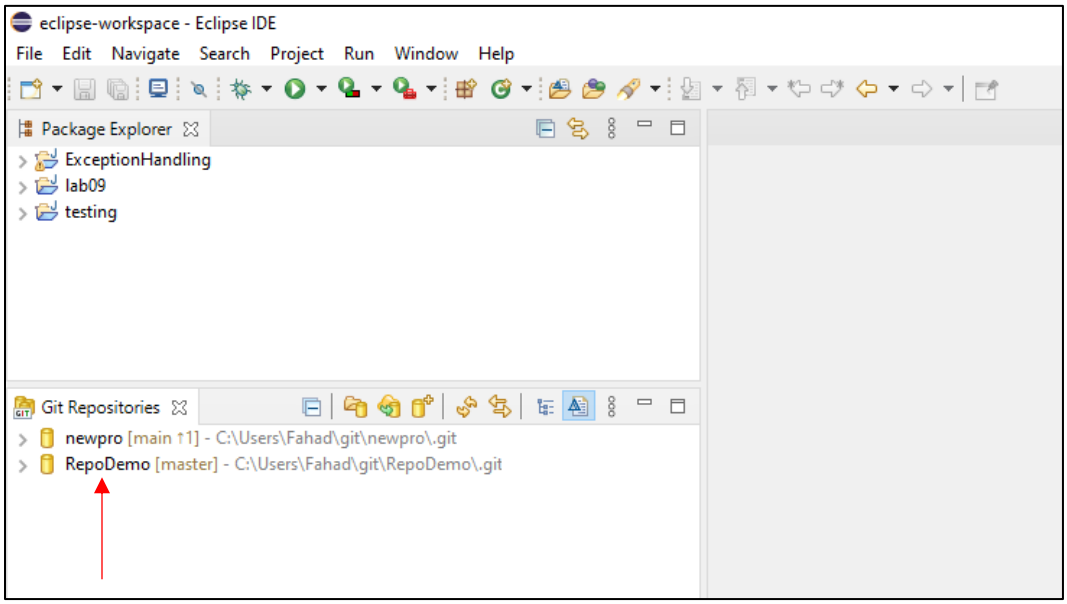




Enter the URL copied from GitHub and then Provide login credentials and enter next.



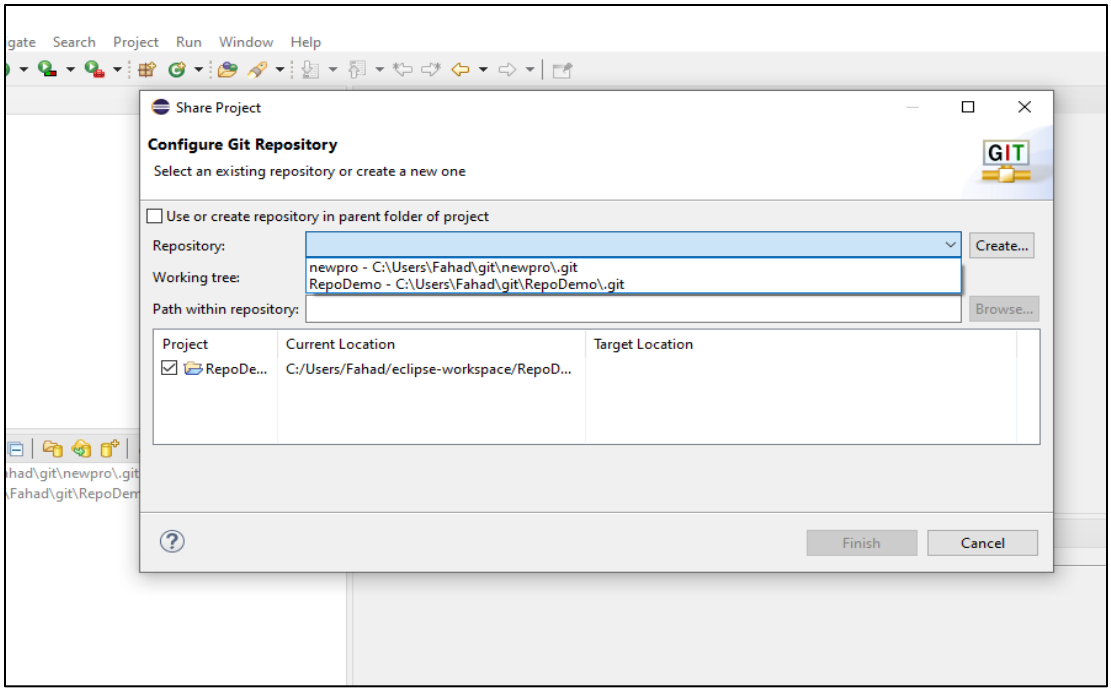
Enter Finish



We got our repository from eclipse.

Step 05: Create a Project in Eclipse.

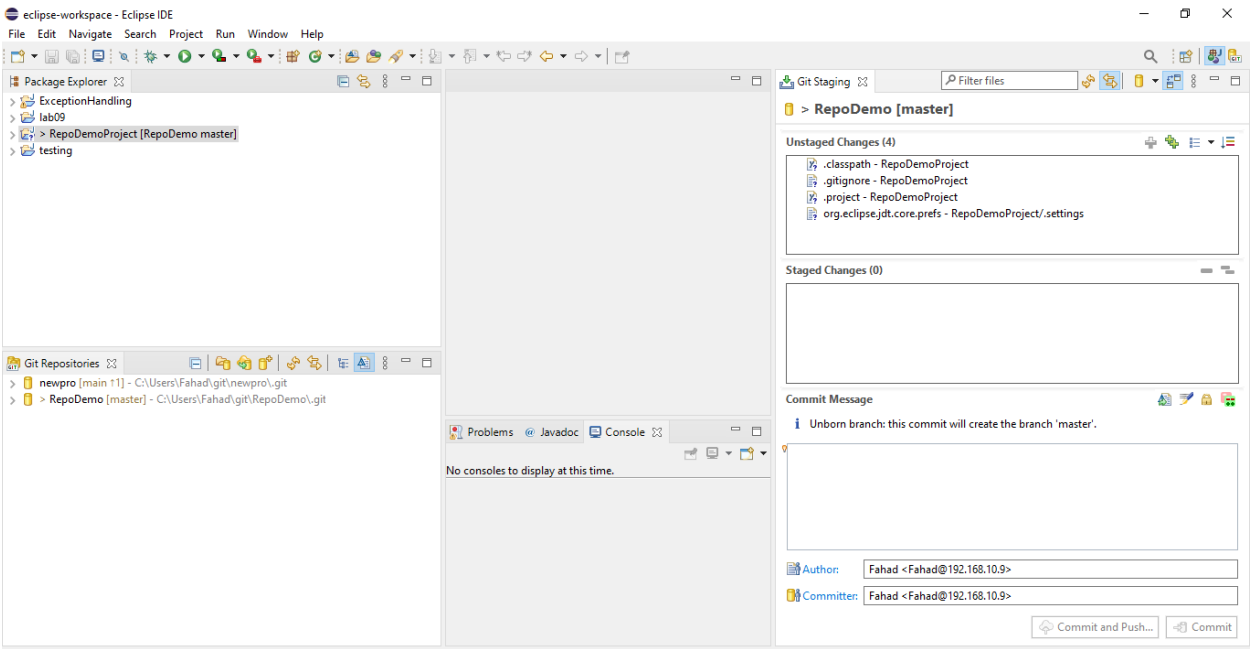
Step 06: Right click on Project → Team → Share → Add Git Repository (the one you created)



Select your current repository and enter Finish. The project will be now entered in your repository.

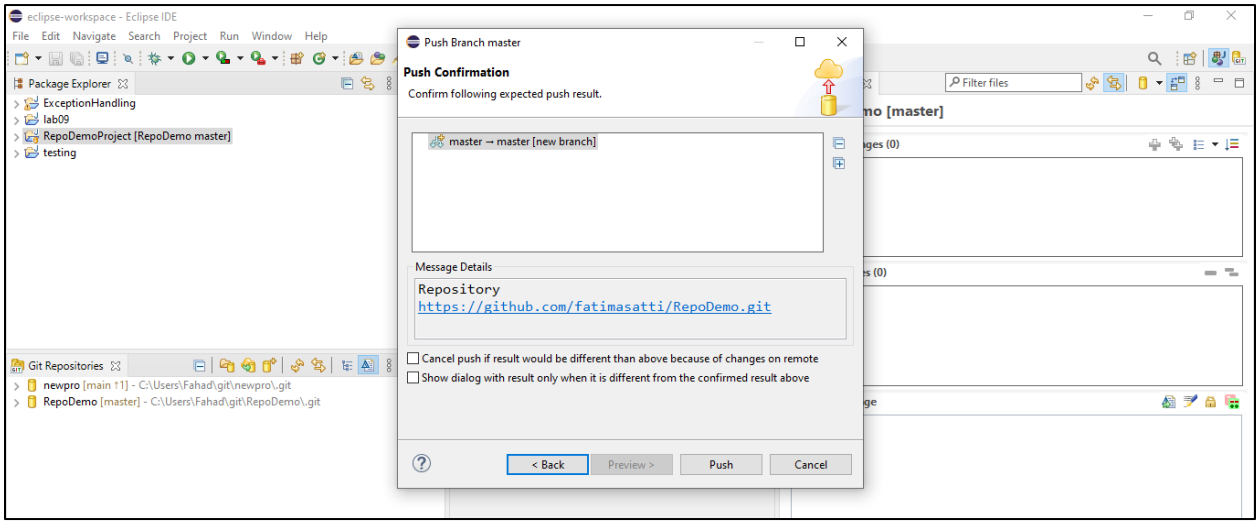
Step 07: Commit and Push the project to the repository.

Right Click → Team → commit



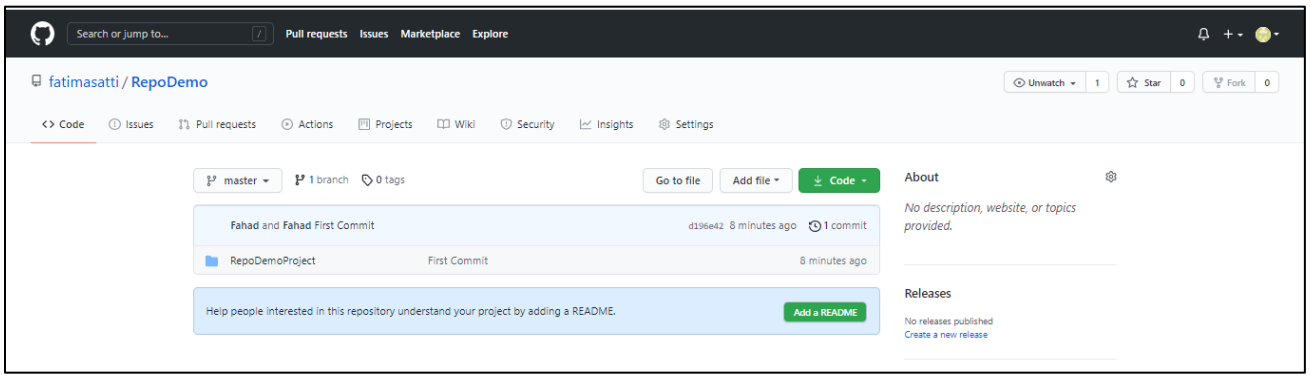
Drag and drop files from Unstaged changes to staged changes, write some commit message and enter Commit and push.

It will ask for username and password then enter finish.



Enter Push.

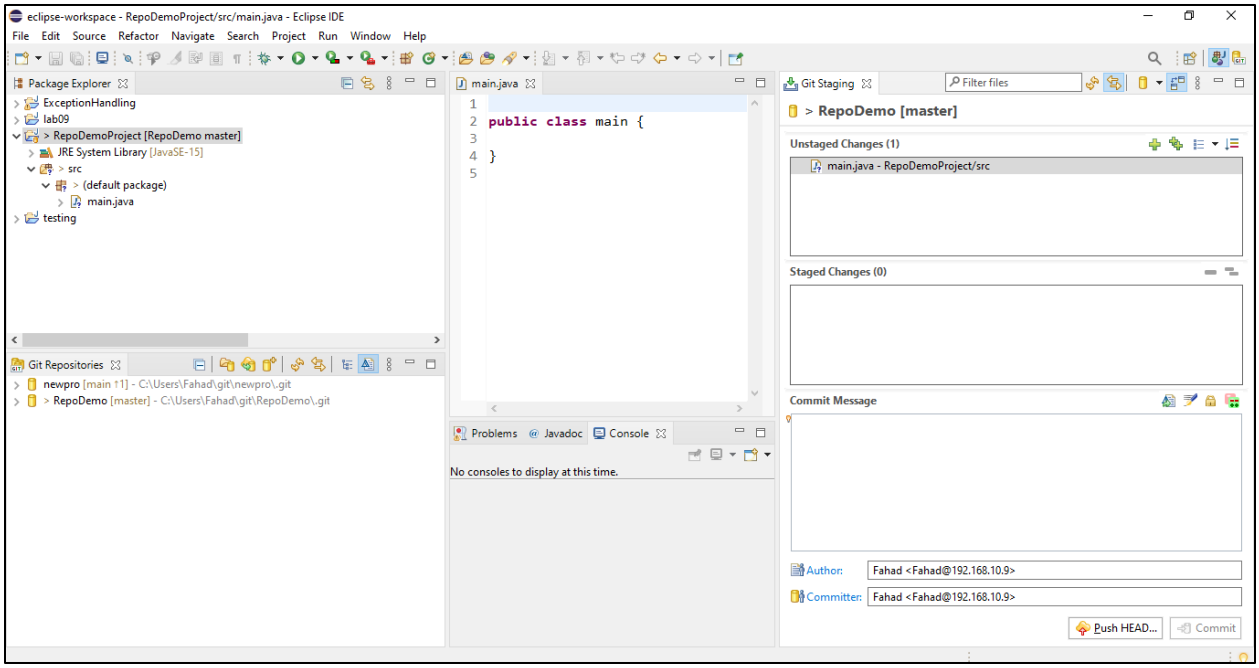
Refresh GitHub, now you can see your project their in the repository you created.



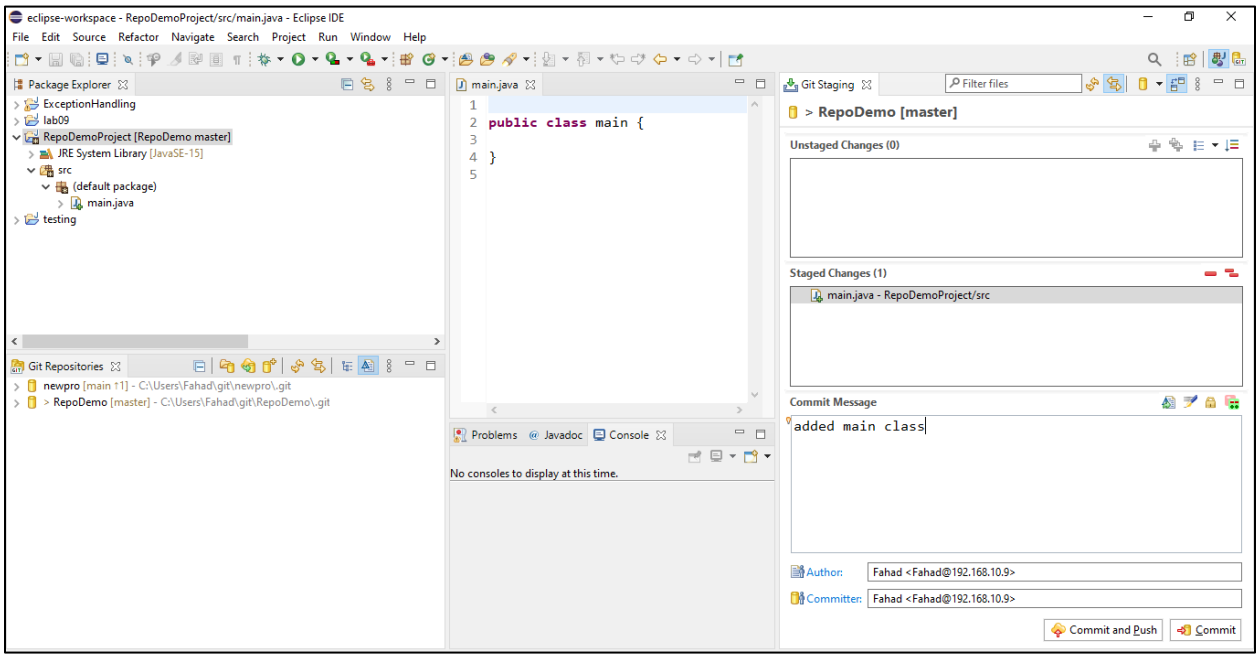
Step 08: Adding classes.

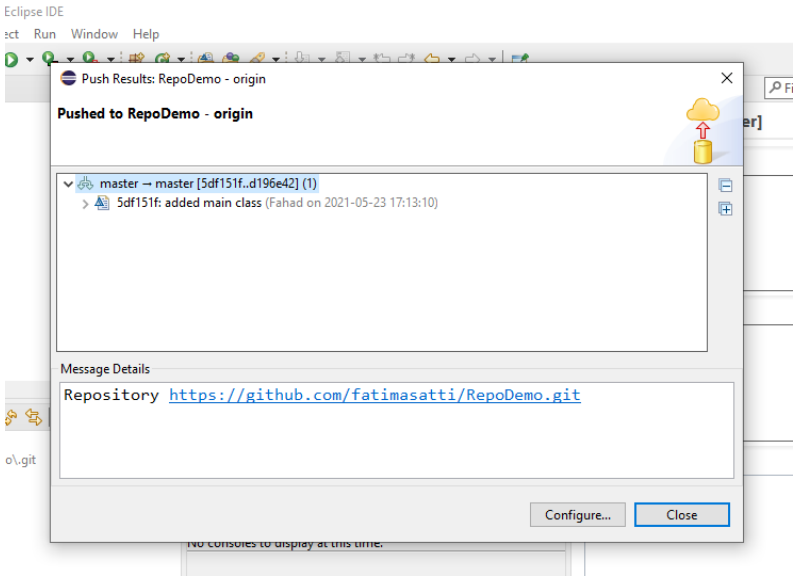
Create a new class in eclipse.

Go to team, perform commit.



Drag and drop files from Unstaged changes to staged changes, write some commit message and enter commit and push.

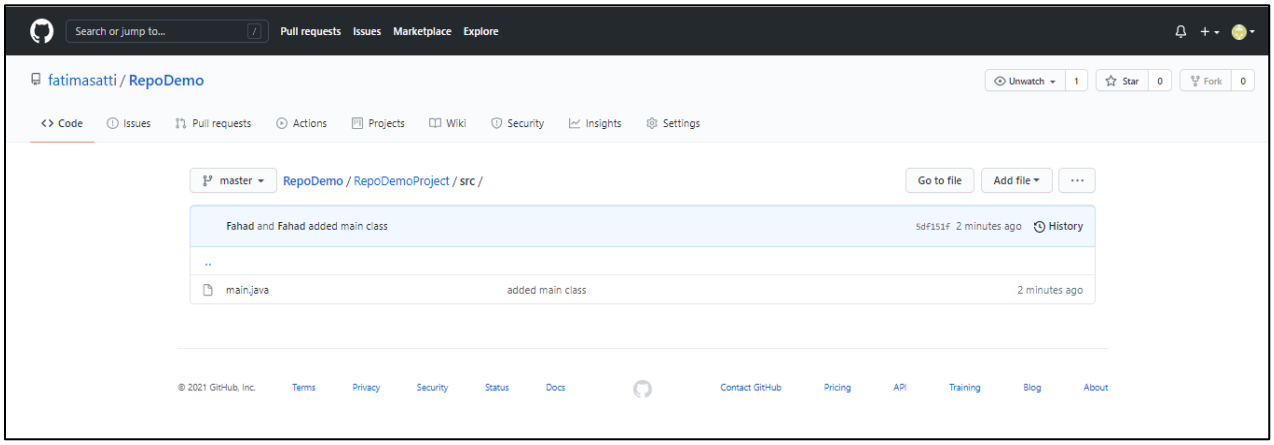




Go to GitHub, refresh your page.

You will see that your class has been added and saved in your repository.

(Here src folder is added which contains our java class)



Lab Task:

Create account on GitHub, add a clone git repository in eclipse and push the java project on GitHub.