Pre-requisite: You should install Git in your system.

For windows: Just go to https://git-scm.com/download/win and the download will start automatically.

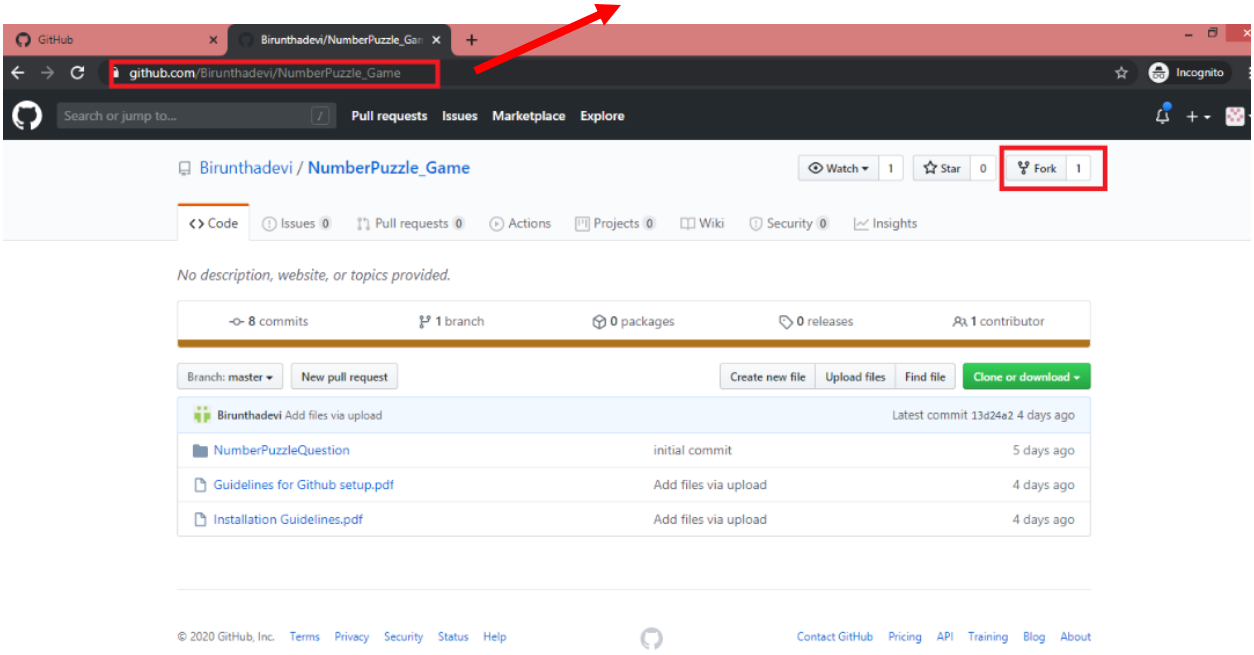
Fork the project in GitHub

Follow the below steps

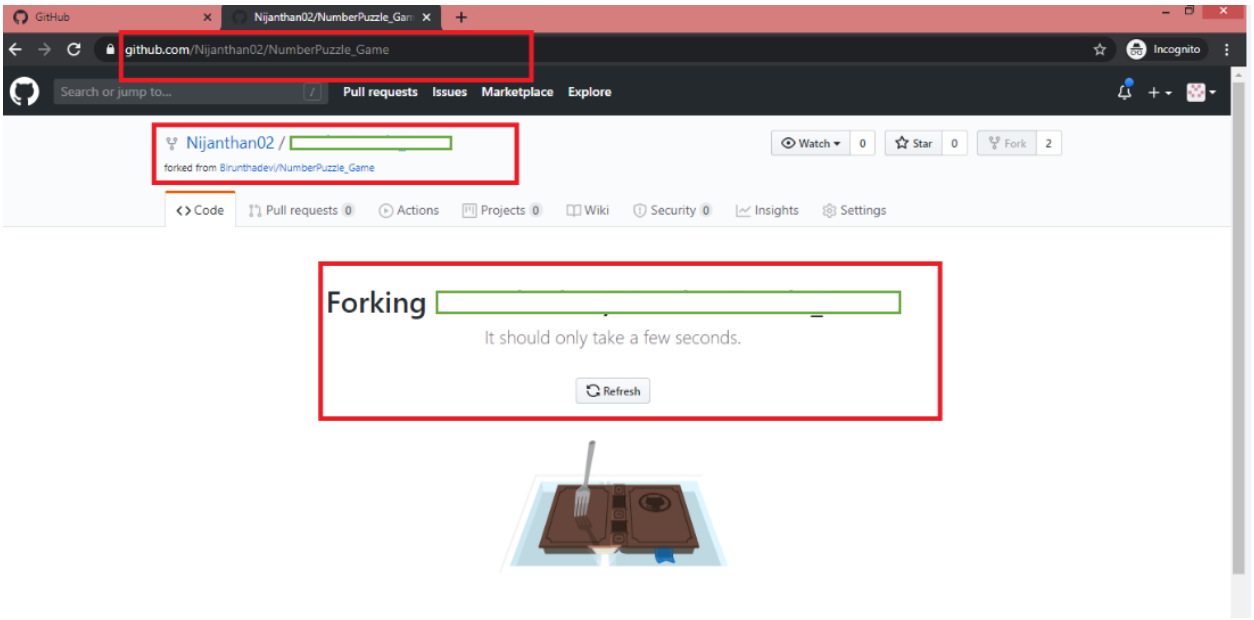
Step 1: Login to the https://github.com/ by using your credentials.

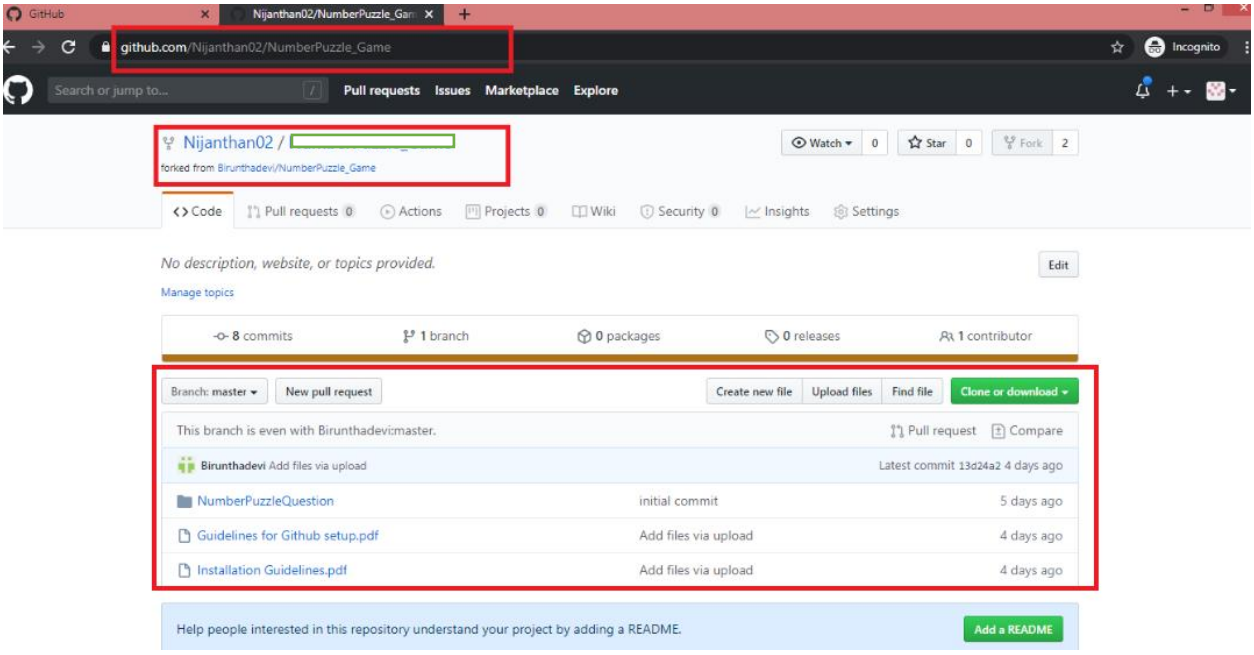
Step 2: Navigate to the below OO-HandsOn GitHub repository URL

URL: https://github.com/LearningCloud-SkillAssure/OO-HandsOn



Step 3: Click on the **'fork'** button. It will create a copy of OO-HandsOn project in your GitHub account





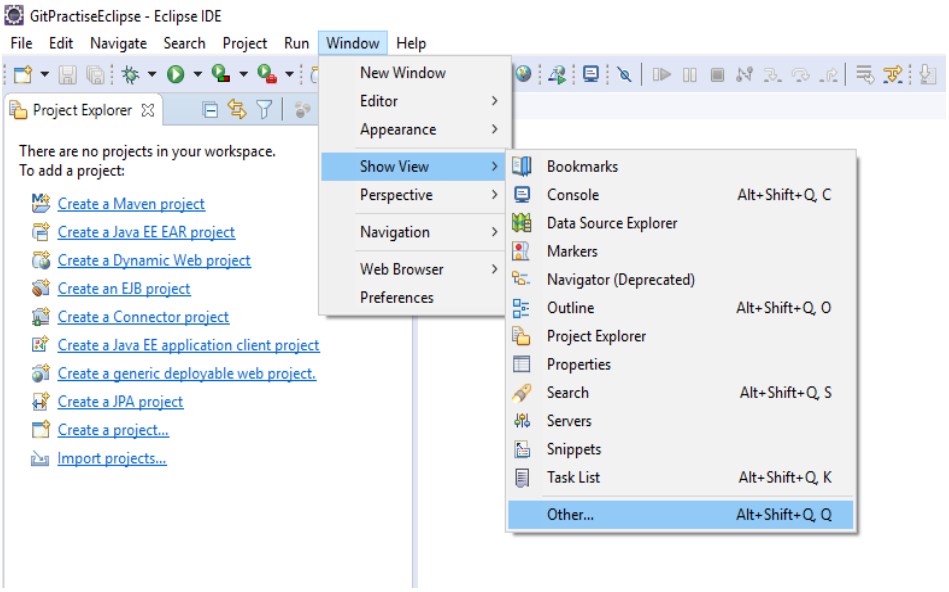
Note: Once the fork is done, you will be getting the OO-HandsOn project in your account. Please refer to the above image.

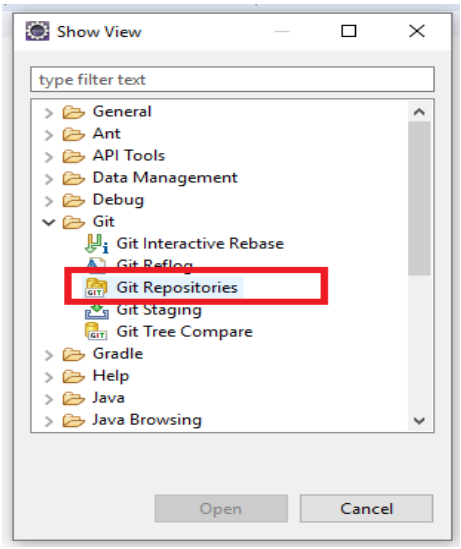
Using Git in Eclipse:

Follow the below steps for the Codebase and GitHub setup in eclipse.

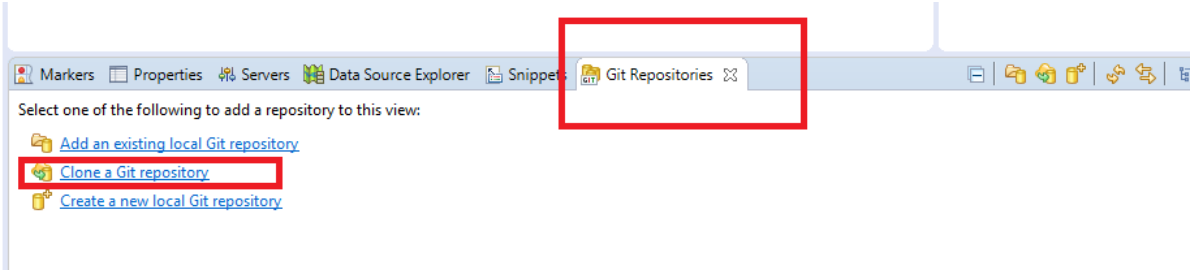
Step 1: Open the eclipse. And choose a new workspace where you want to put the project code base.

Step 2: Then Go to, **Window > Show View > Others.** Then choose **Git Repositories**.

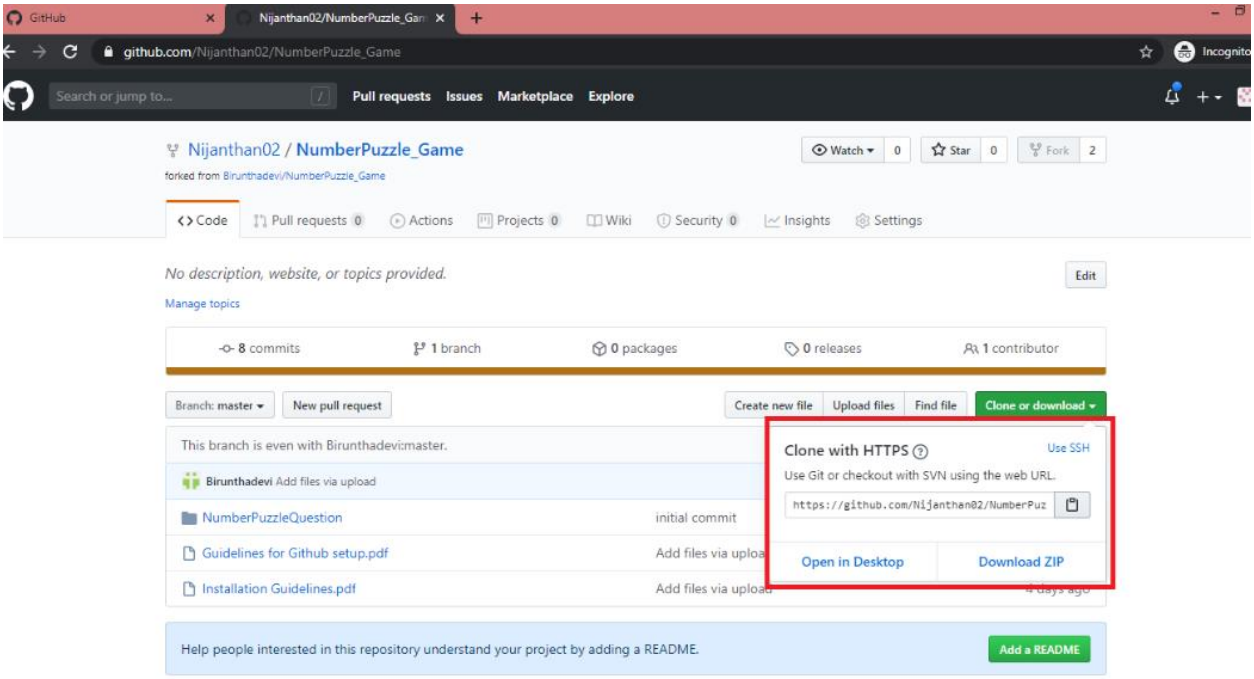




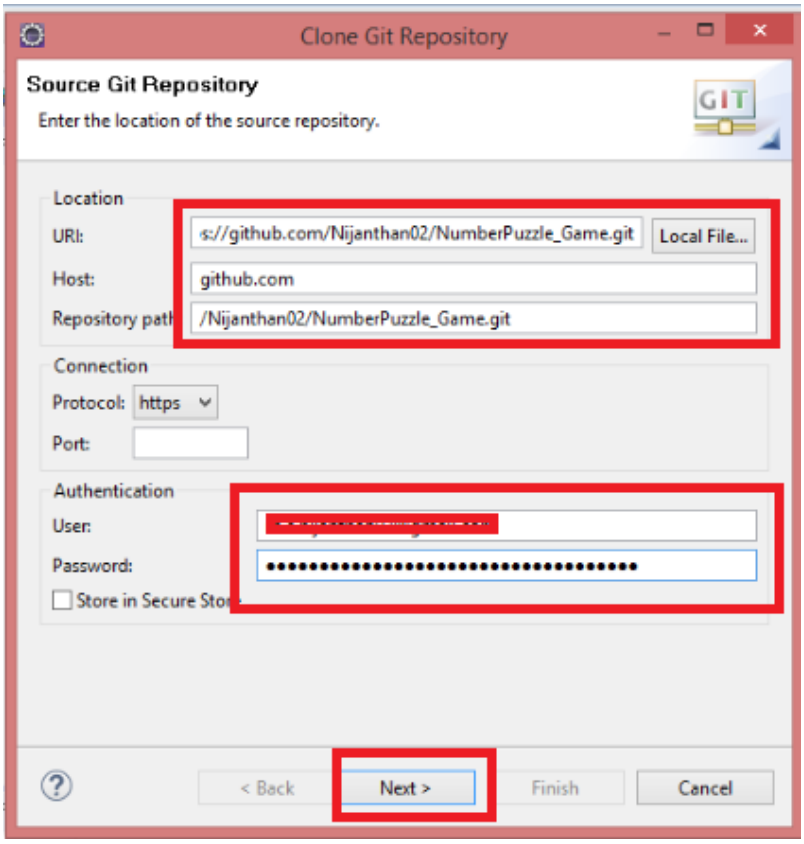
Step 3: Then go to **Git Repositories Tab** And click **Clone a Git Repository**.

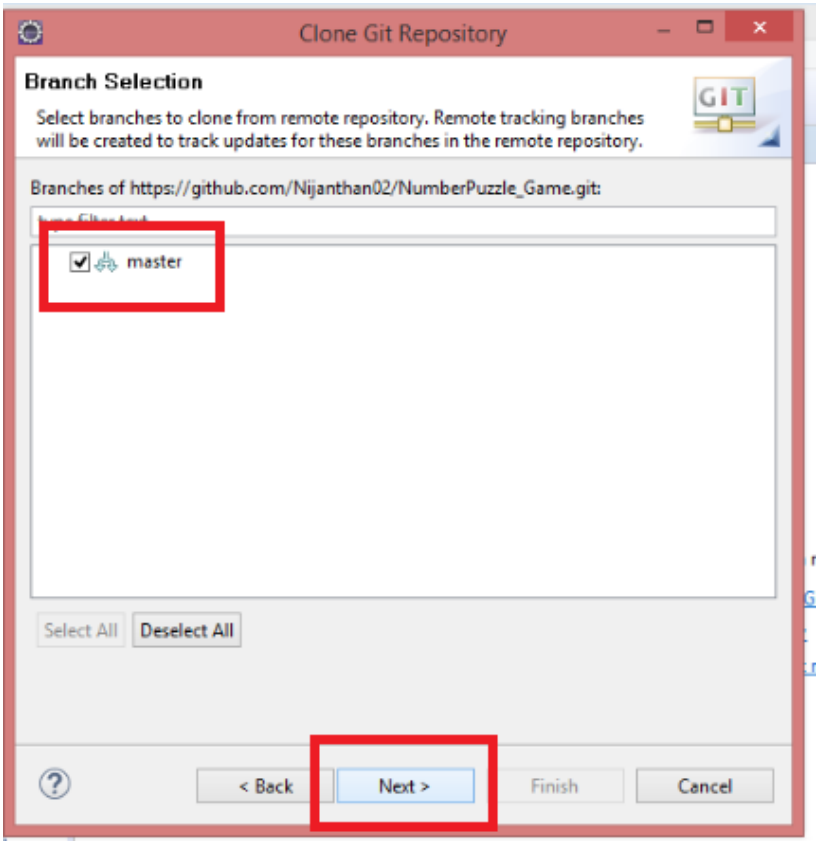


Step 4: Now go to **browser**, open your OO-HandsOn git repository, and Click on **'Clone or download'** button and Copy the URL of the GitHub project.



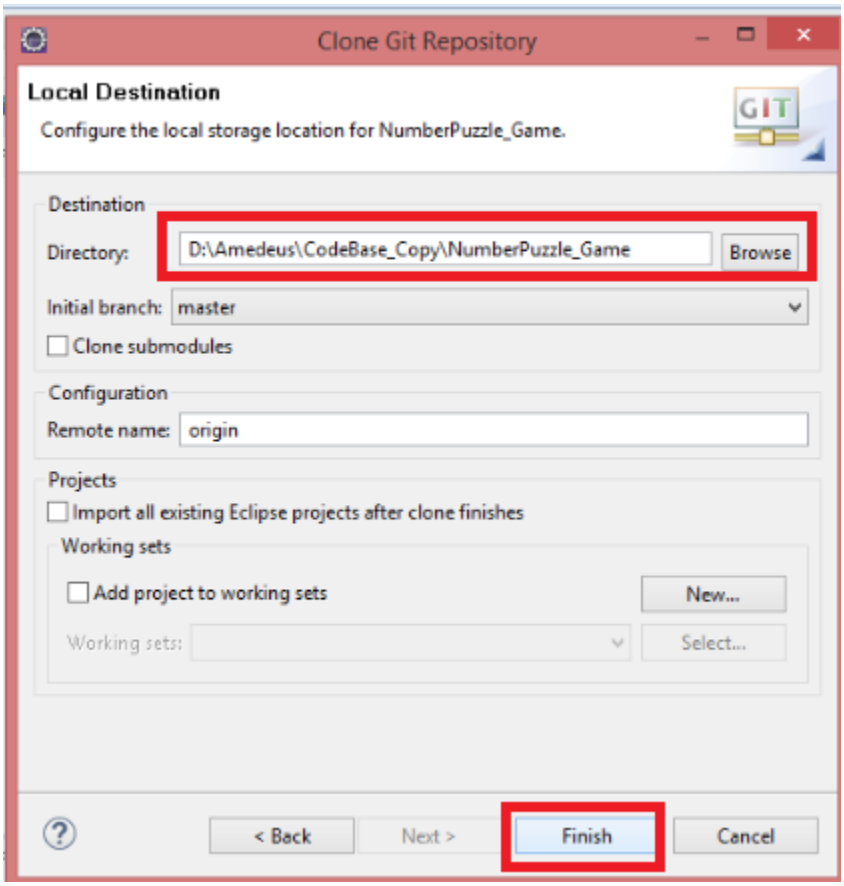
Step 5: Go to Eclipse. Paste your GitHub **URL which you have copied from your GitHub account**. Then Enter the **GitHub Credentials** and Click **Next**.


Clone Git Repository
Source Git Repository
Enter the location of the source repository.
Location
URI:
s://github.com/Nijanthan02/NumberPuzzle_Game.git
Local File...
Host:
github.com
Repository path
/Nijanthan02/NumberPuzzle_Game.git
Connection
Protocol:
https
Port:
Authentication
User:
Password:
Store in Secure Sto
< Back
Next >
Finish
Cancel


Clone Git Repository
Branch Selection
Select branches to clone from remote repository. Remote tracking branches will be created to track updates for these branches in the remote repository.
Branches of https://github.com/Nijanthan02/NumberPuzzle_Game.git:
master
Select All
Deselect All
< Back
Next >
Finish
Cancel

Choose the **Directory** location, where you want to keep you project code base.

Choose initial branch as **master** and click **Finish**.



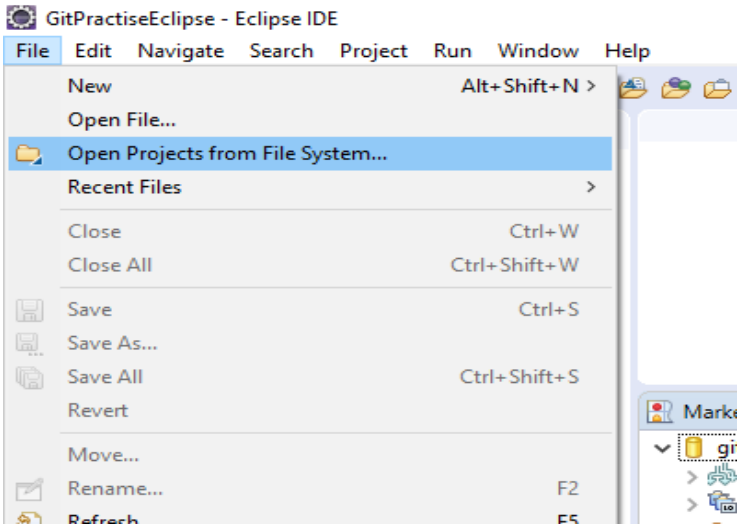
Done! Now you can check your local folder which you have chosen, a folder with Git Project repository name must have been created in your chosen local folder. Now you have Repository Copy in your system.

Step 6: Now to open the project in Eclipse.

File > Open projects from File System.

Choose the project repository folder and Click on **Finish**.

Now you can find the project in your project Explorer.



You can start making changes needed. Once it is done kindly follow the below steps to push your local codebase to your GitHub account

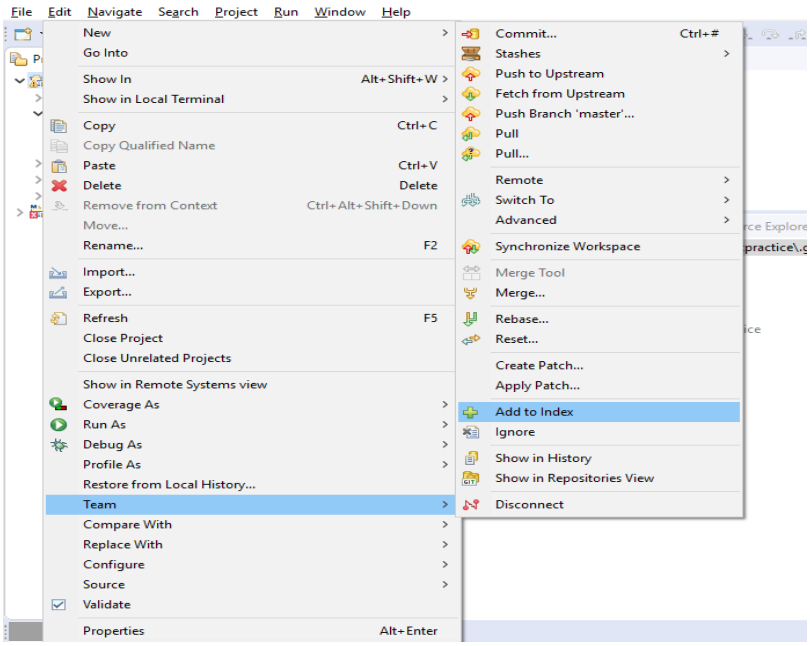
---

How to Push the code to Git repository:

Now You might have written some code in your local project and want to Push that into the Git master repository.

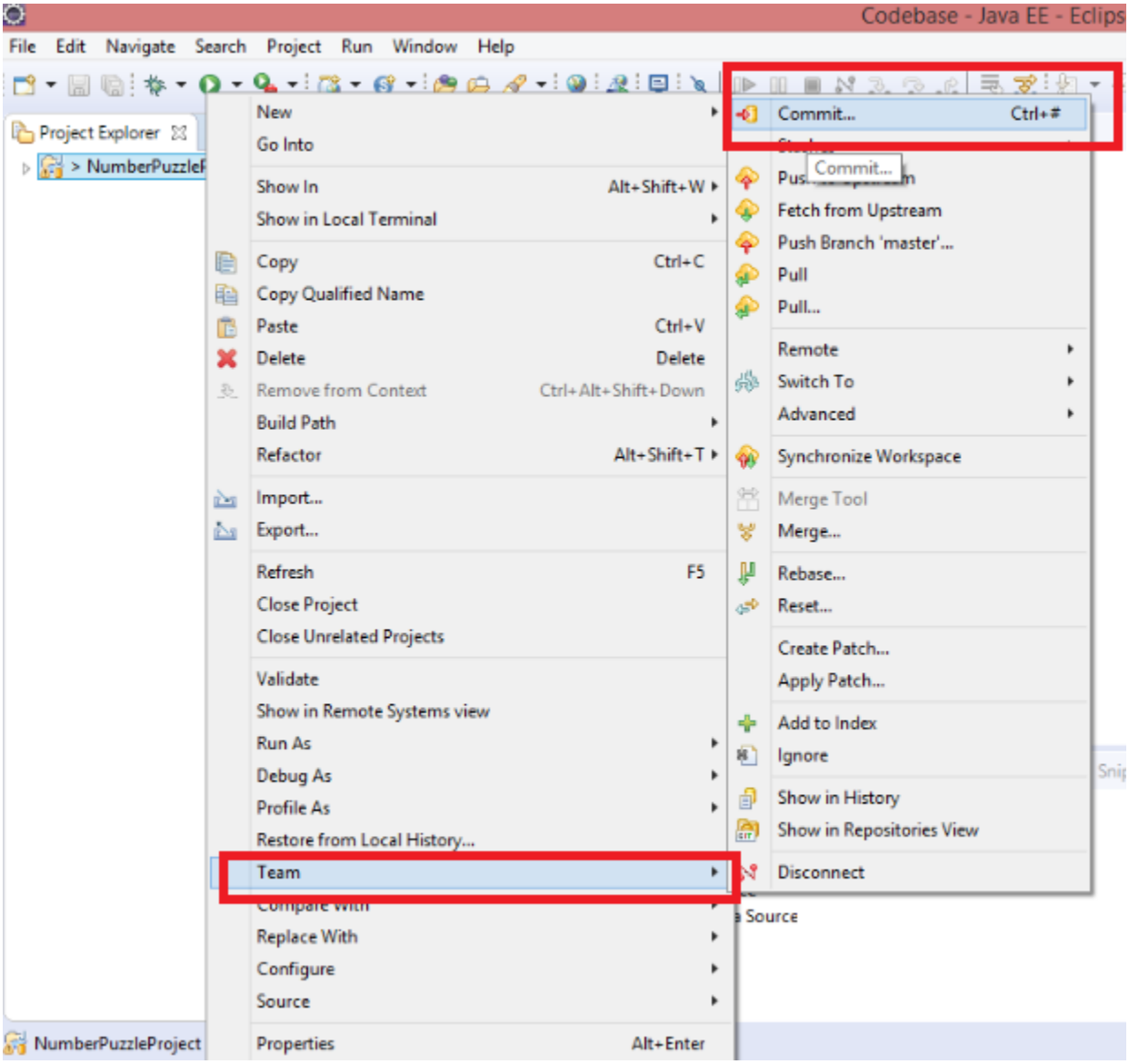
Step 1: First you have to "**Stage"** all the File Changes.

For that, Right Click on the Project. **Teams > Add to index.**



Now all the Files having changes will be staged.

Step 2: Next you have to "**Commit**" the changes. So that it will move to local Git Repository.

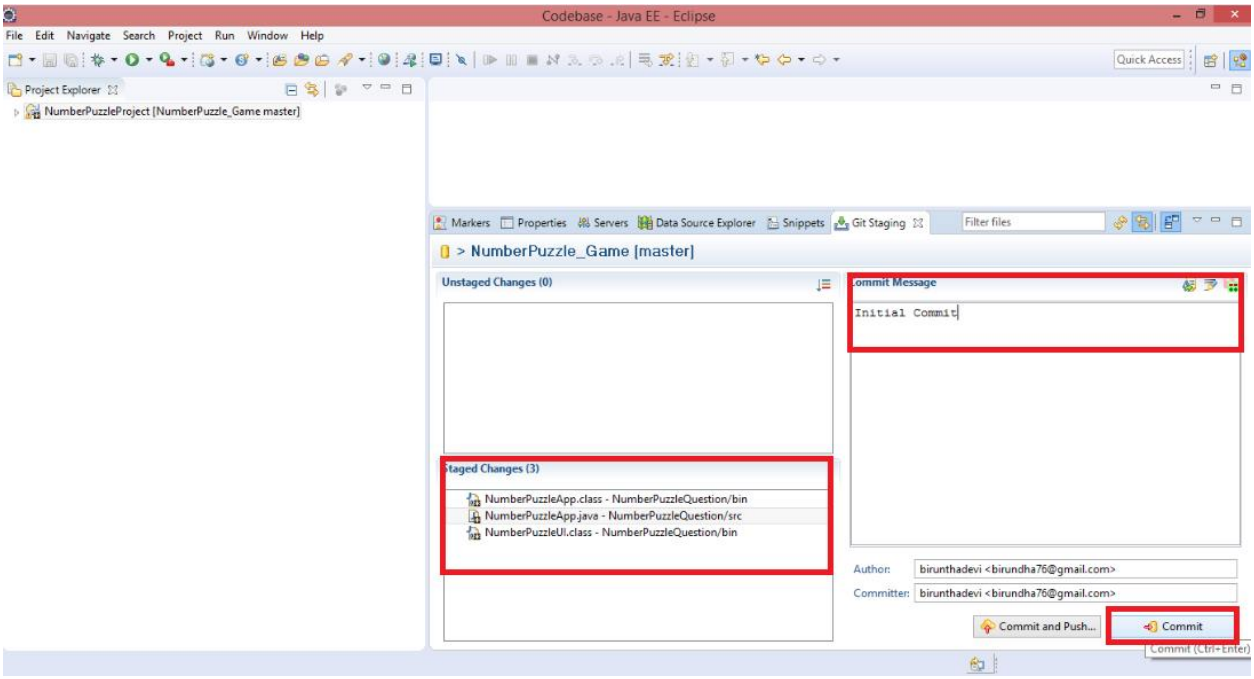


You can unstage any file which you do not want to commit.

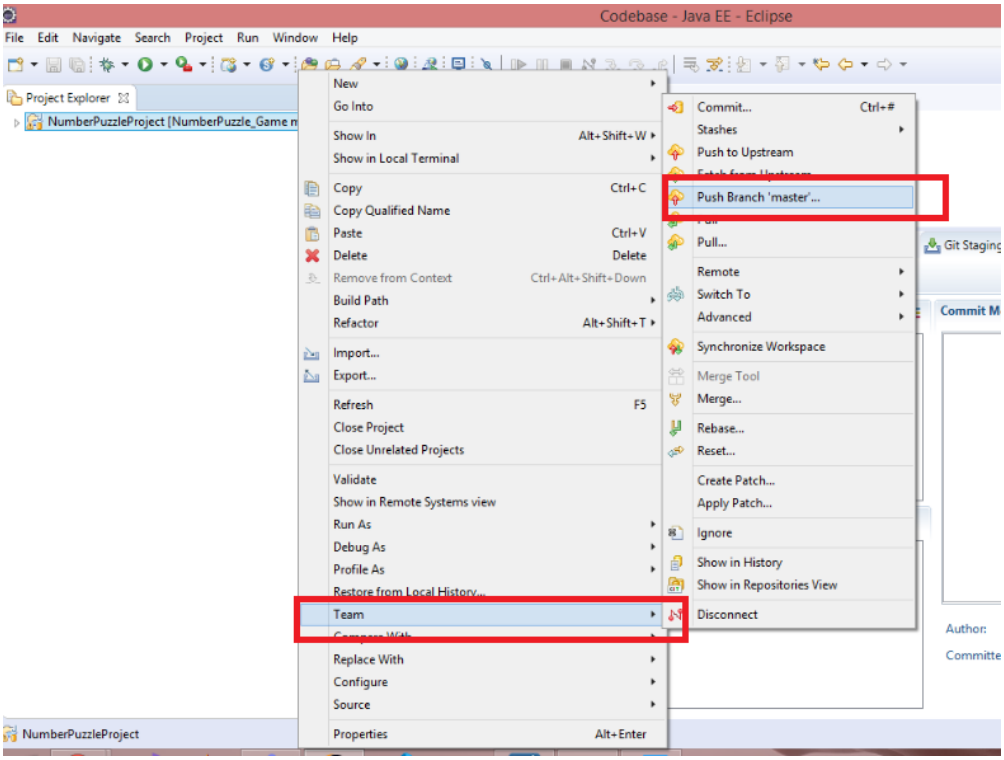
Choose the file in **Staged Changes section** and click on **"– ",** file will be moved to unstaged changes section.

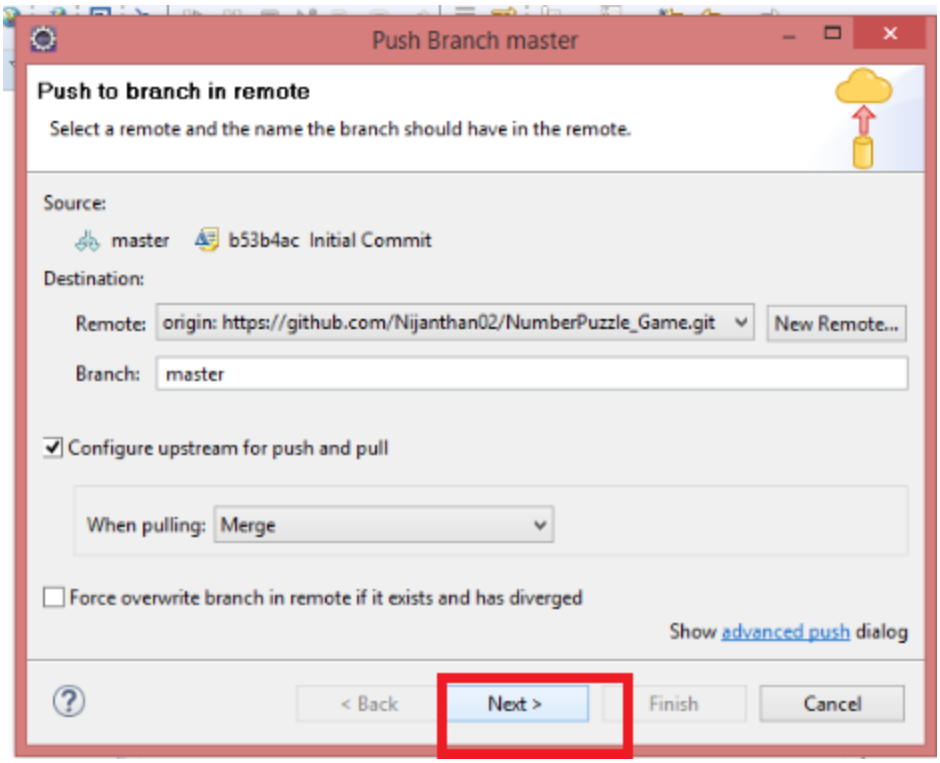
If you want to move any unstaged file to staged changes again, click "+" add to index.

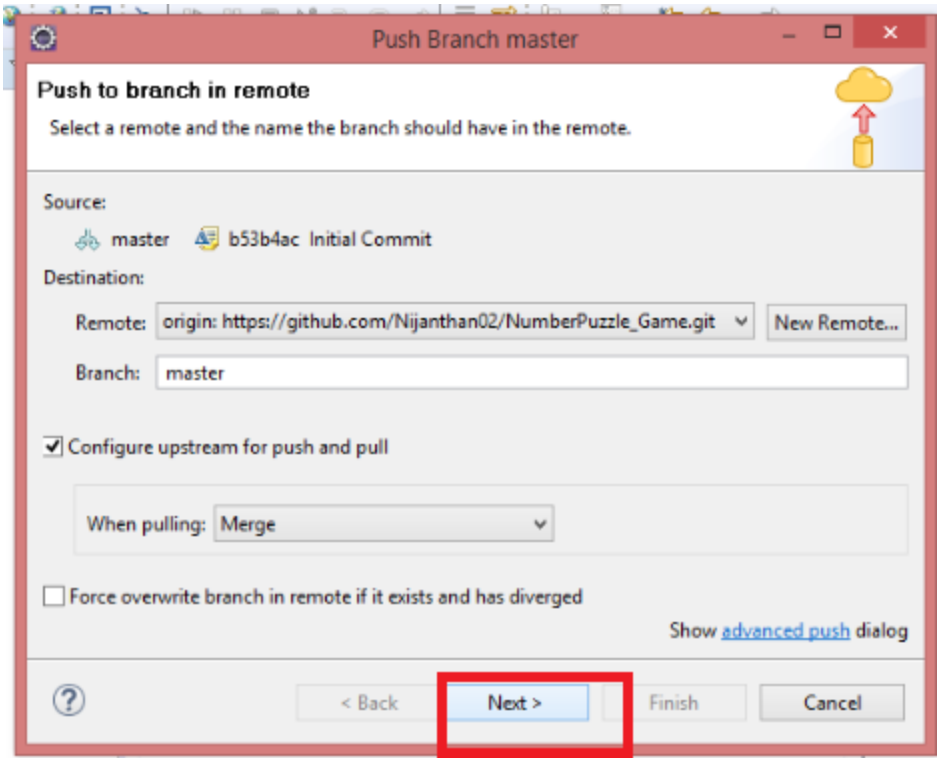
Enter appropriate **Commit message** and then Click on "**Commit"**.

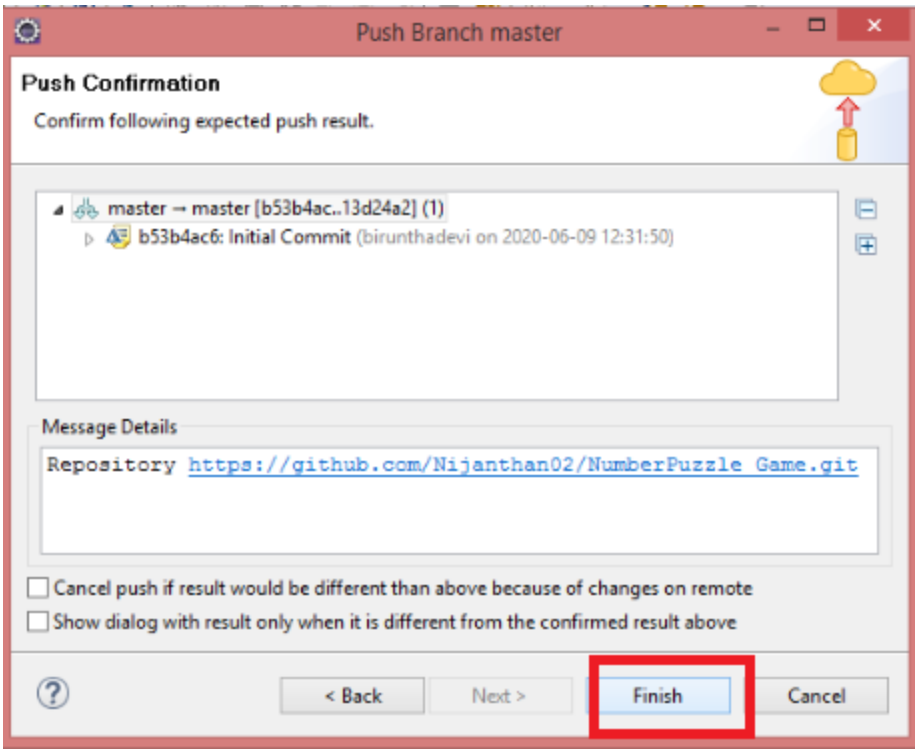


Step 3: To Push the Code to Git Repository. Right Click on the project, Team > Push Branch 'master'.

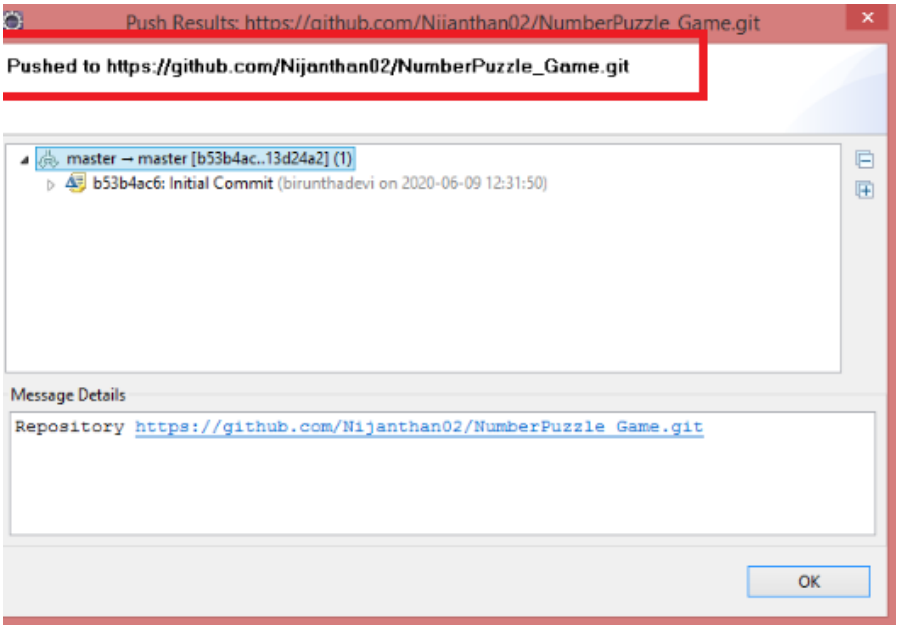



Push Branch master
Push to branch in remote
Select a remote and the name the branch should have in the remote.
Source:
master
b53b4ac Initial Commit
Destination:
Remote:
origin: https://github.com/Nijanthan02/NumberPuzzle_Game.git
New Remote...
Branch:
master
Configure upstream for push and pull
When pulling:
Merge
Force overwrite branch in remote if it exists and has diverged
Show advanced push dialog
< Back
Next >
Finish
Cancel


Push Branch master
Push to branch in remote
Select a remote and the name the branch should have in the remote.
Source:
master
b53b4ac Initial Commit
Destination:
Remote:
origin: https://github.com/Nijanthan02/NumberPuzzle_Game.git
New Remote...
Branch:
master
Configure upstream for push and pull
When pulling:
Merge
Force overwrite branch in remote if it exists and has diverged
Show advanced push dialog
< Back
Next >
Finish
Cancel



After successfully pushing the code, it will finally show this window.



========== THANK YOU ==========