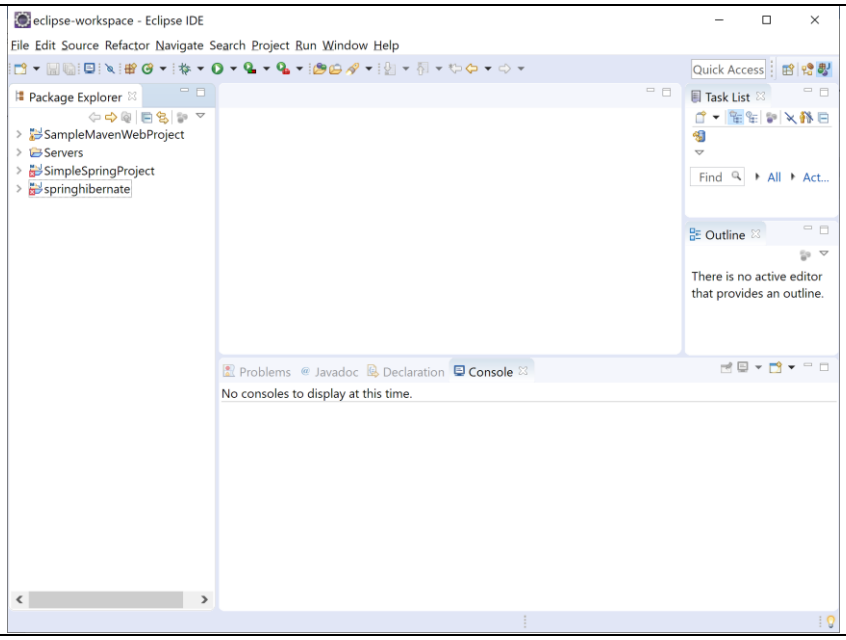
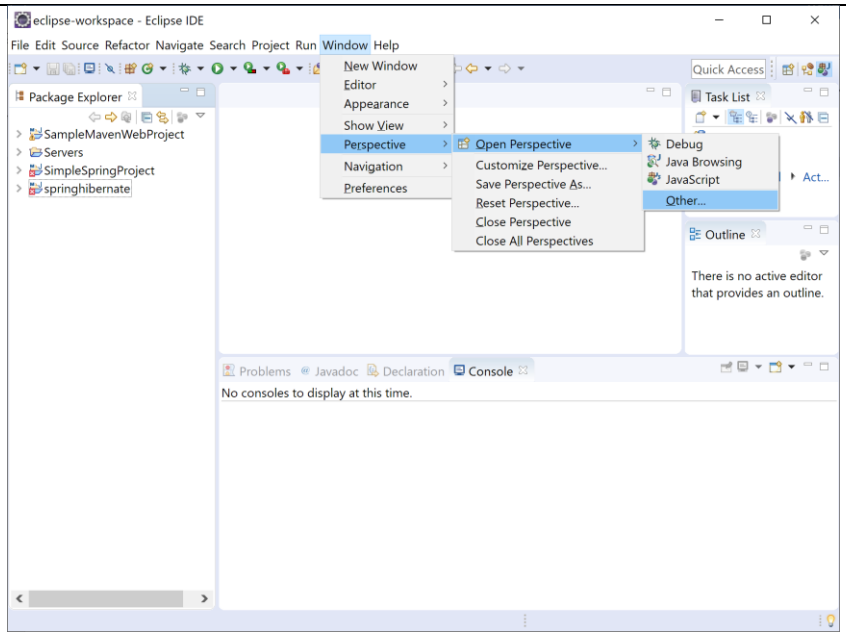
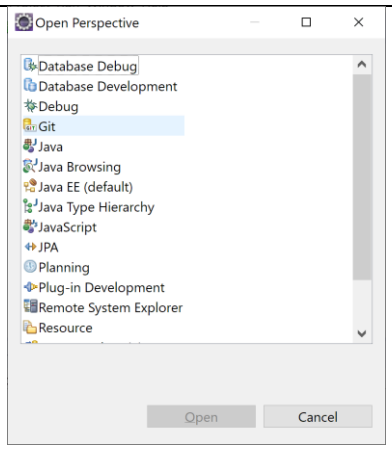
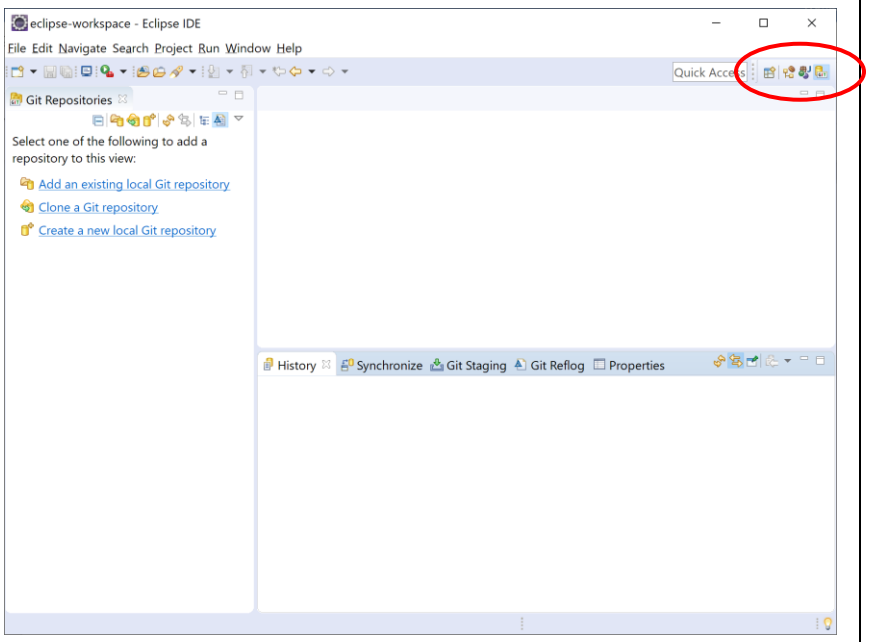
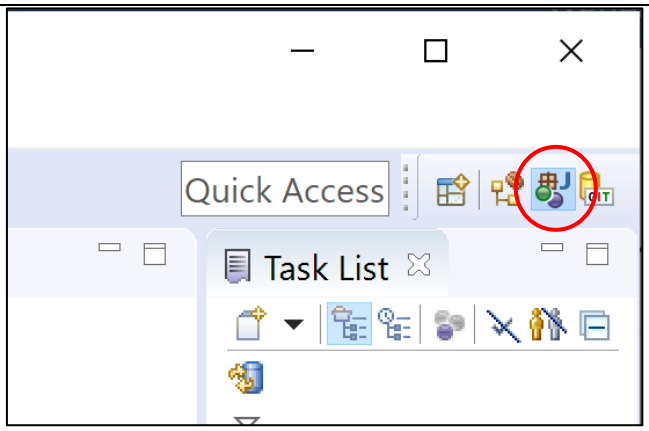
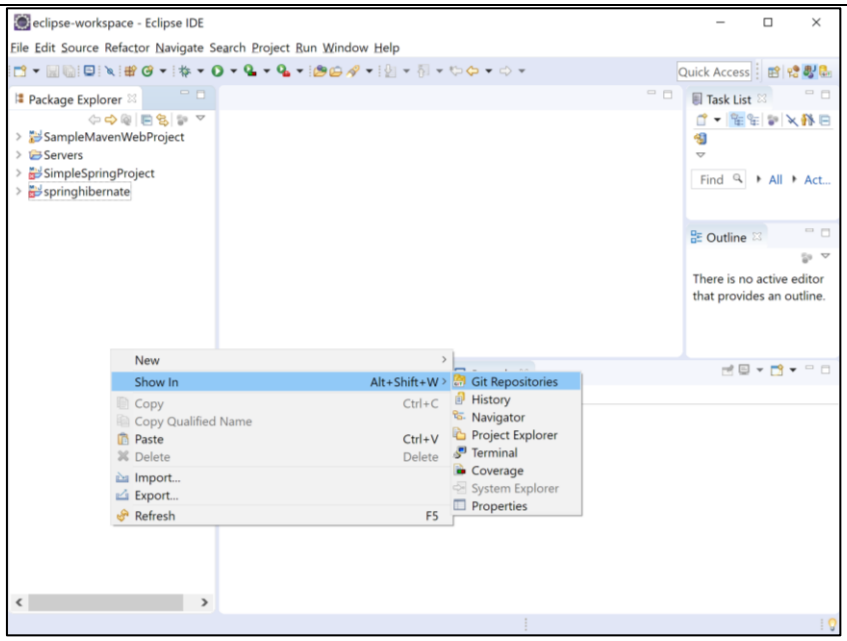
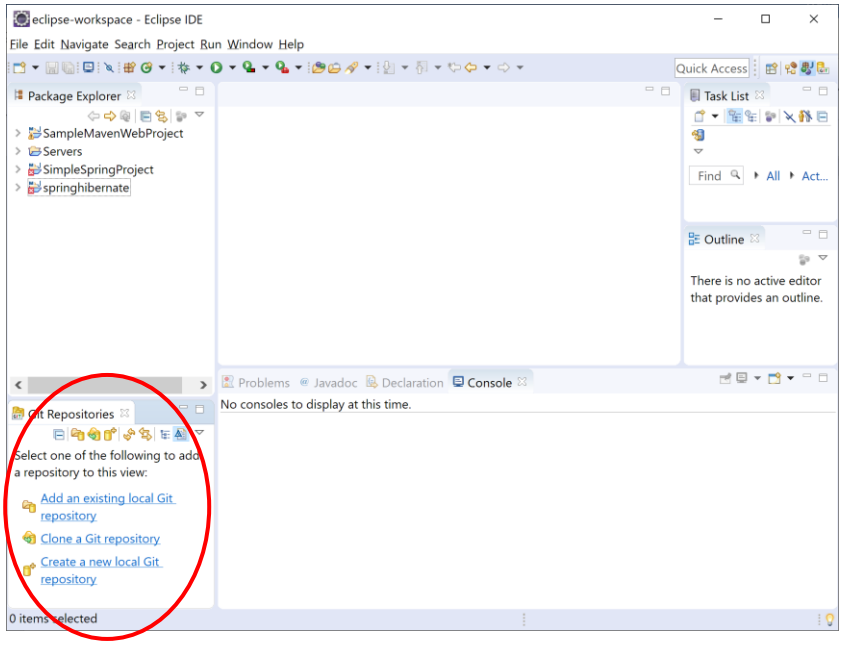
Lab 01: Eclipse and GitHub Basic

(Ref: https://www.youtube.com/watch?v=XuuzSaelUzo
https://guides.github.com/introduction/flow/)

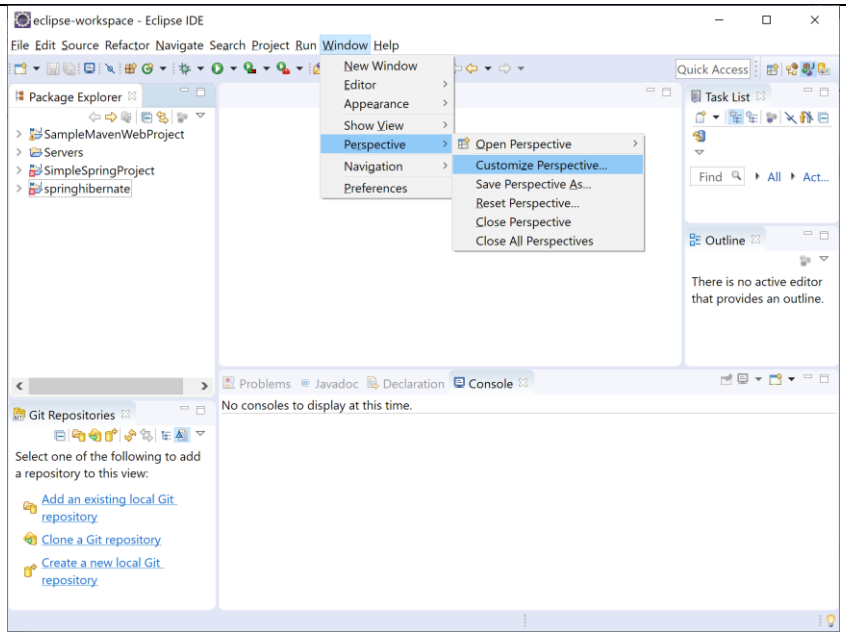
Step 1: Open Eclipse	
Step 2: Adding Git perspective Choose Window → Perspective → Open Perspective → Other	

Choose Git	 
Step 3: Go back to Java perspective and show Git Repository Click the Java perspective on the upper right corner	

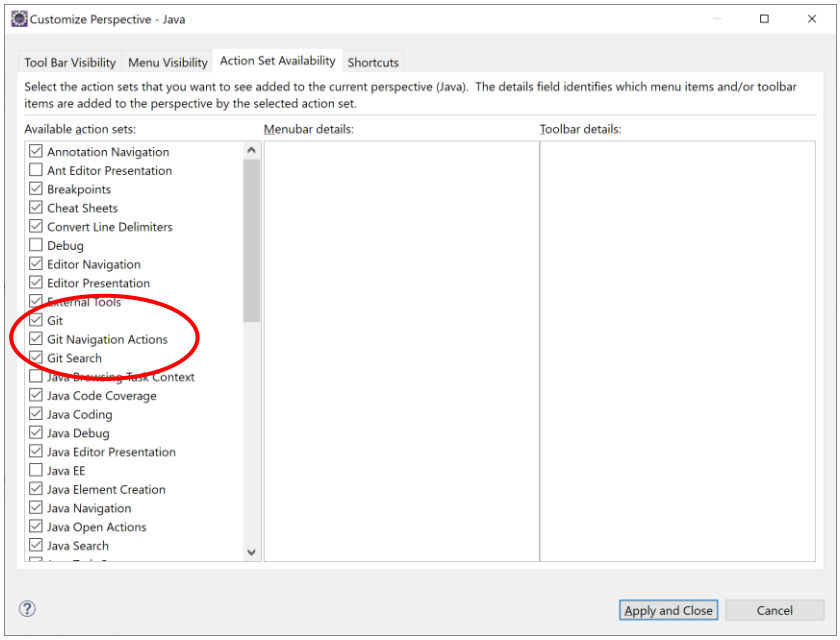
Right click on any space in the Package Explorer	
Choose Show In → Git Repositories	

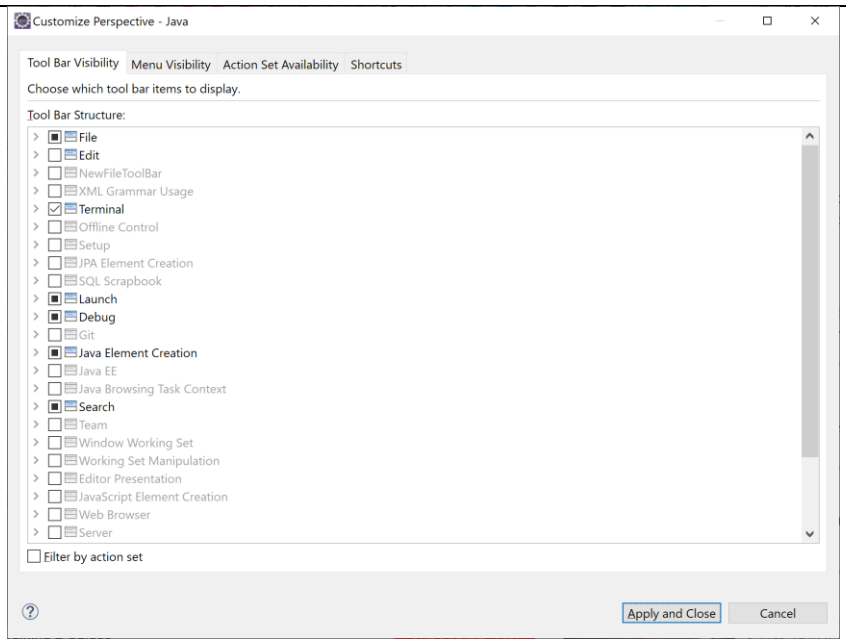
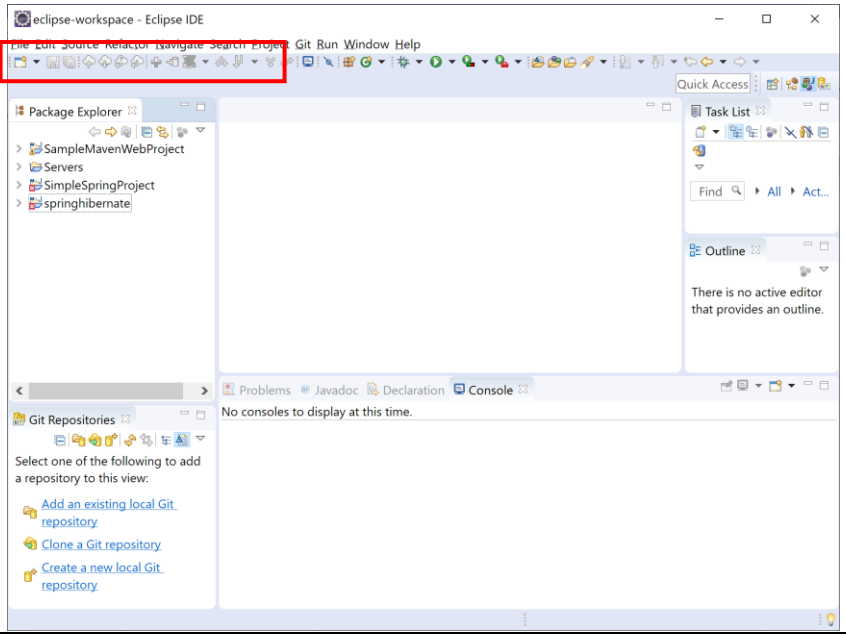
Step 4: Add Git too bar

Choose Window → Perspective → Customize Perspective



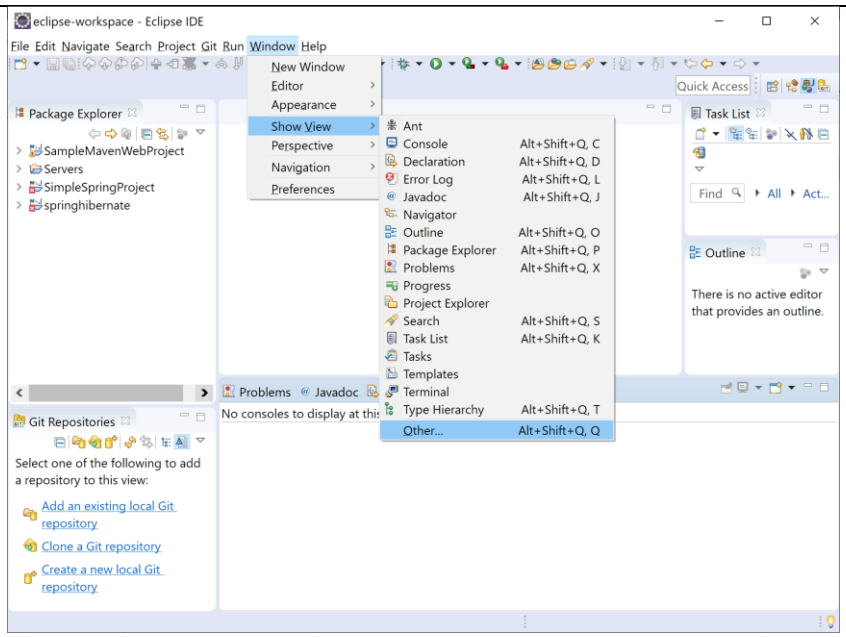
Go to Action Set Availability Tab and check the boxes Git, Git Navigation Actions and Git Search



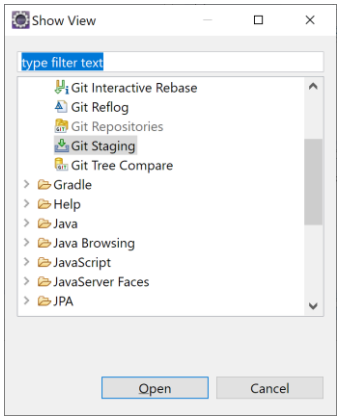
Go to Tool Bar Visibility and check the box Git Apply and close	 

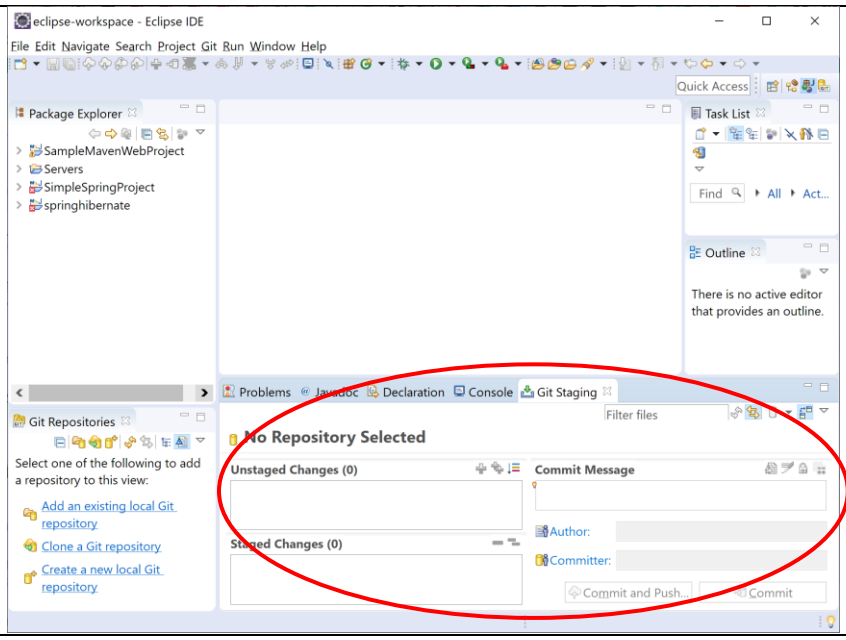
Step 5: Add Git Staging View

Choose Window → Show View → Other



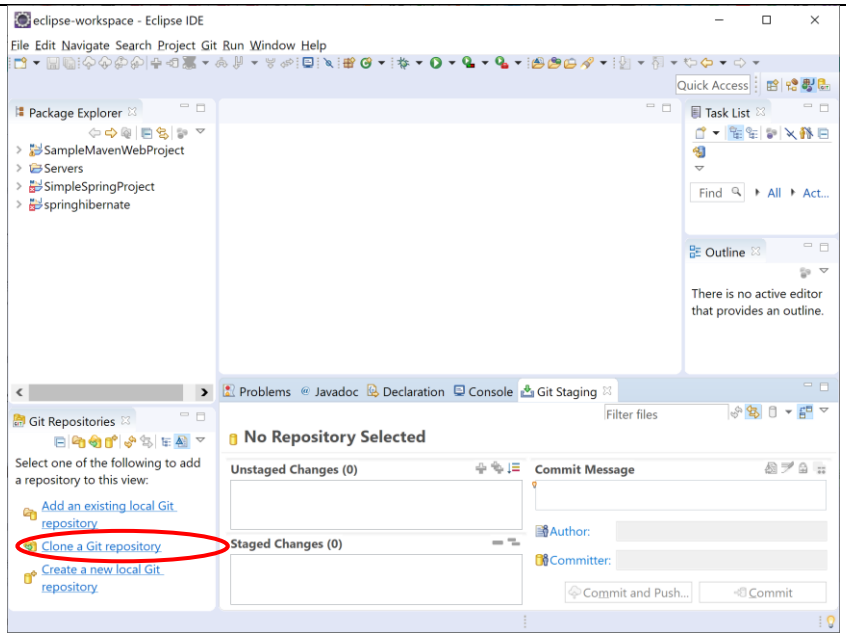
Choose Git Staging in the dialog



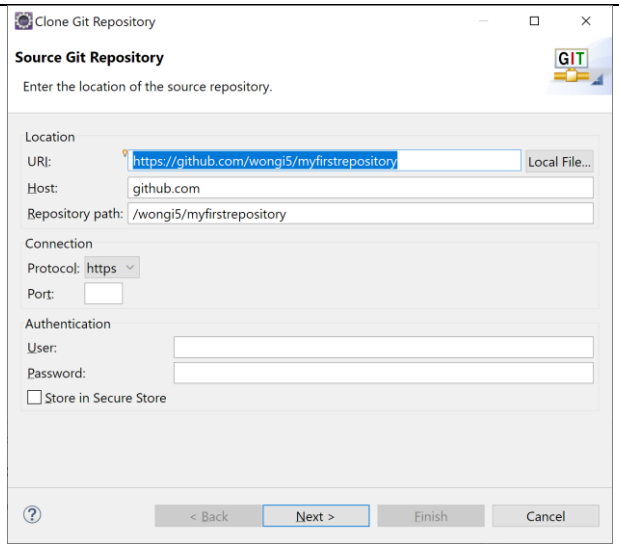


Step 6: Clone an existing Github Repository

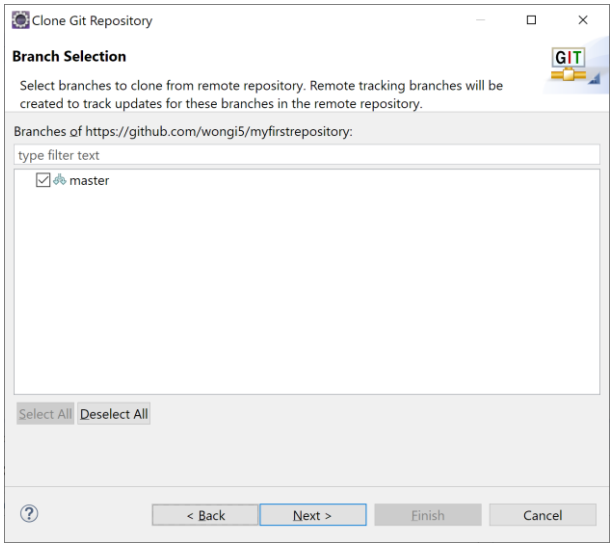
Click the link Clone a Git Repository



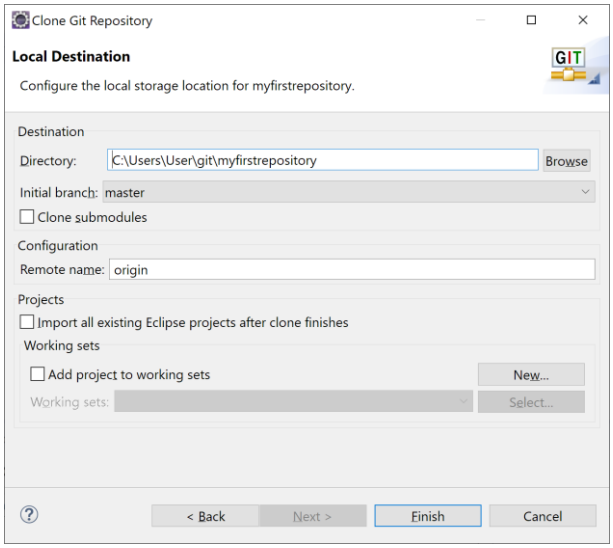
Fill in the information as shown and click Next

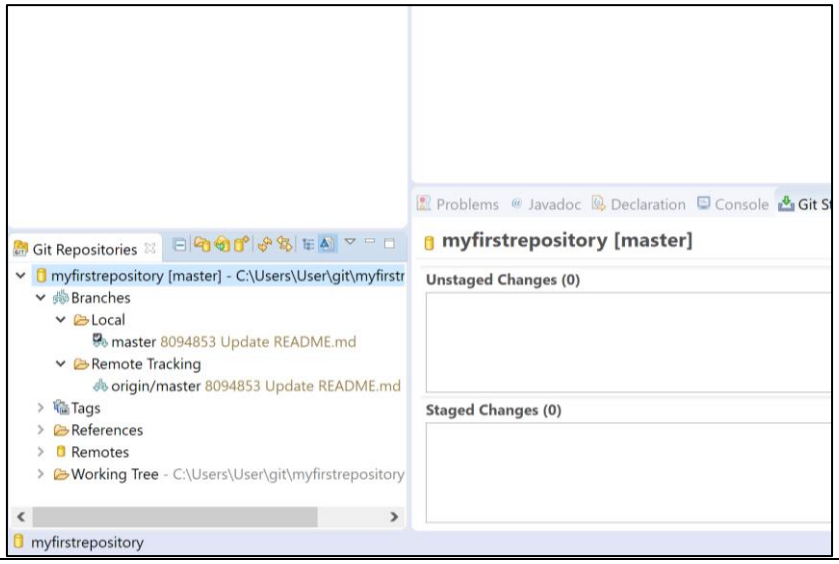


Choose Master and click Next



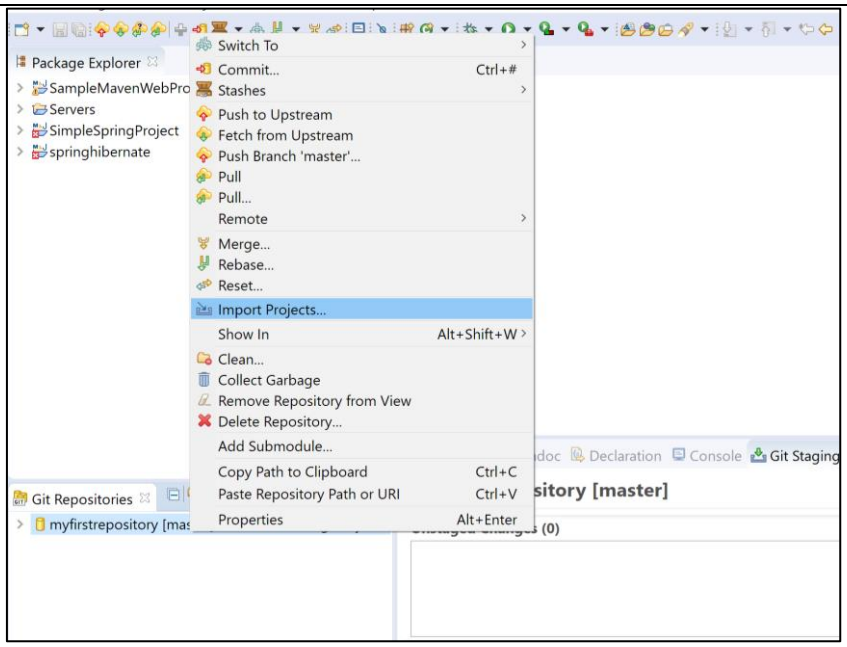
Keep the filled information and click Finish

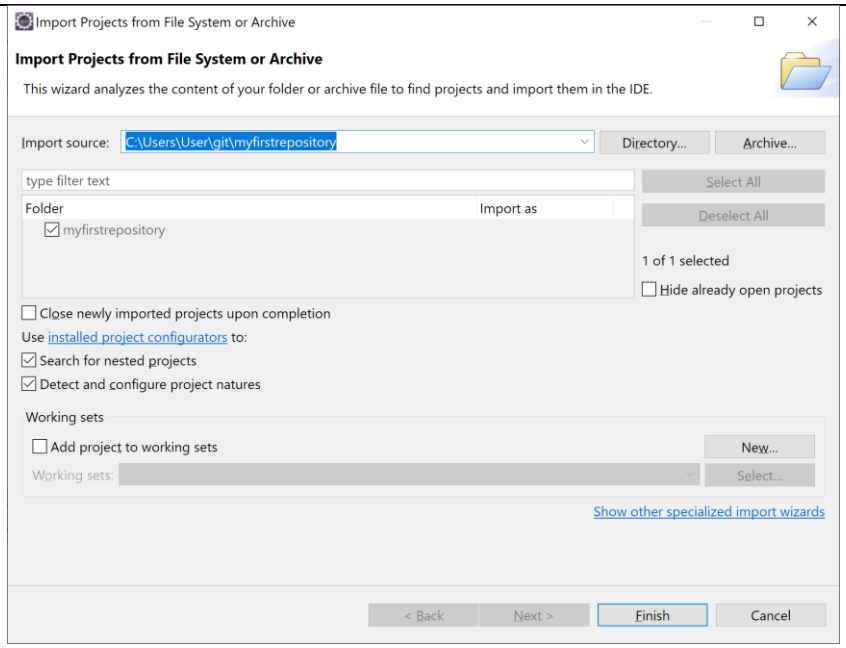
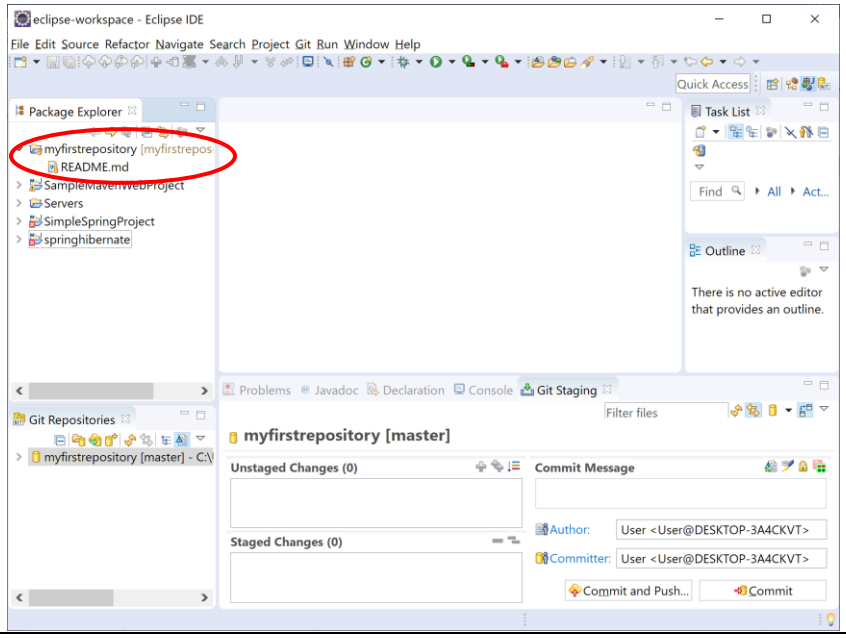


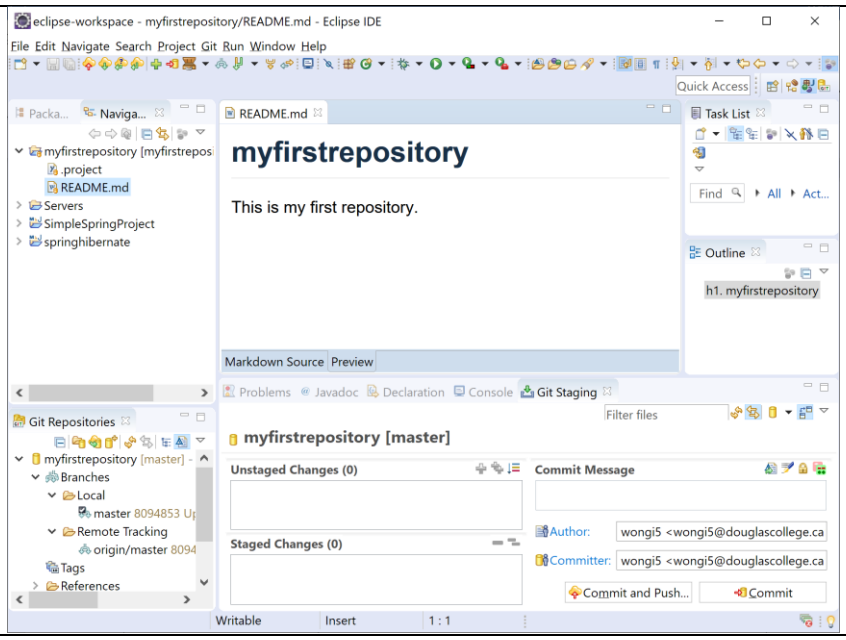
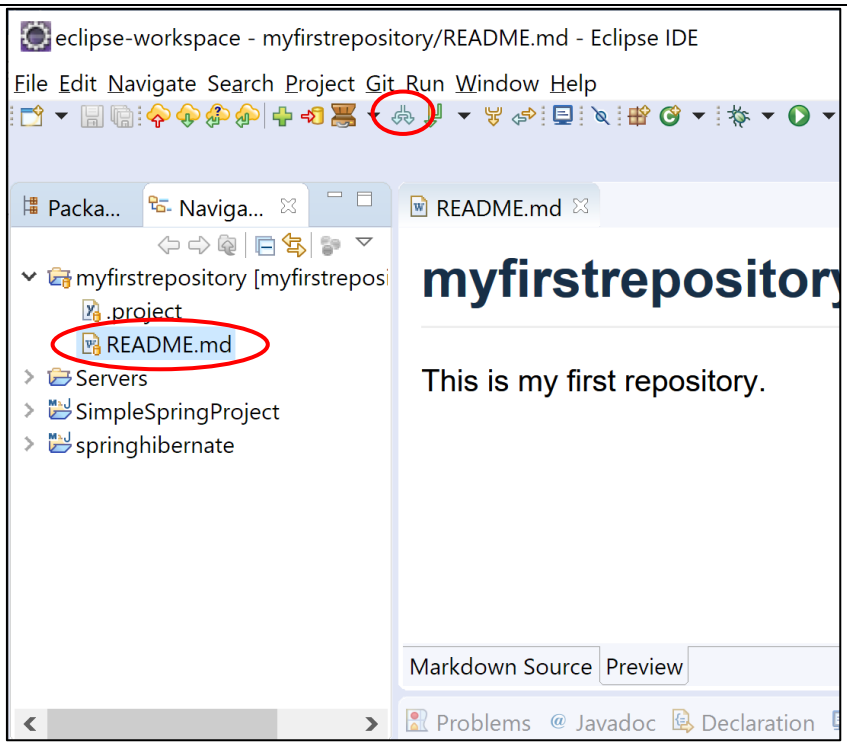


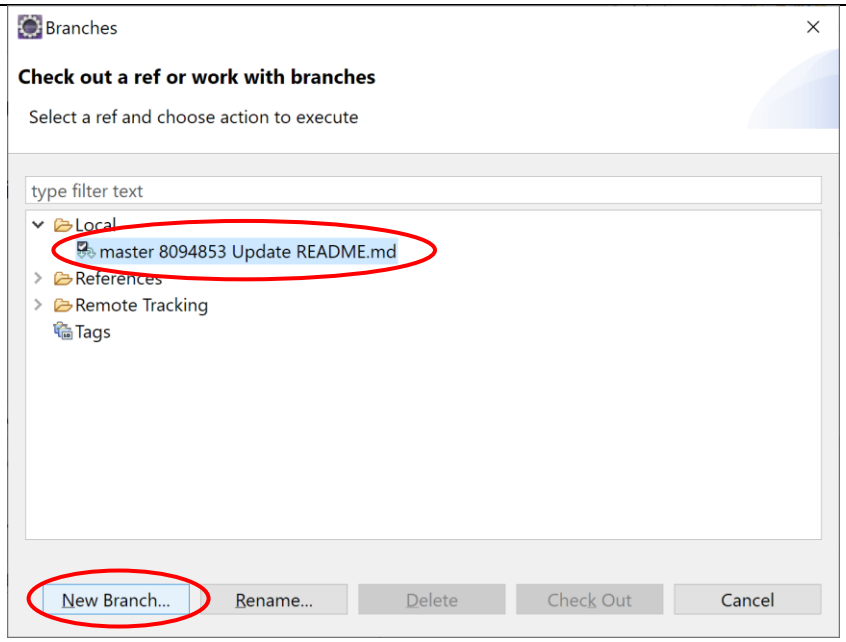
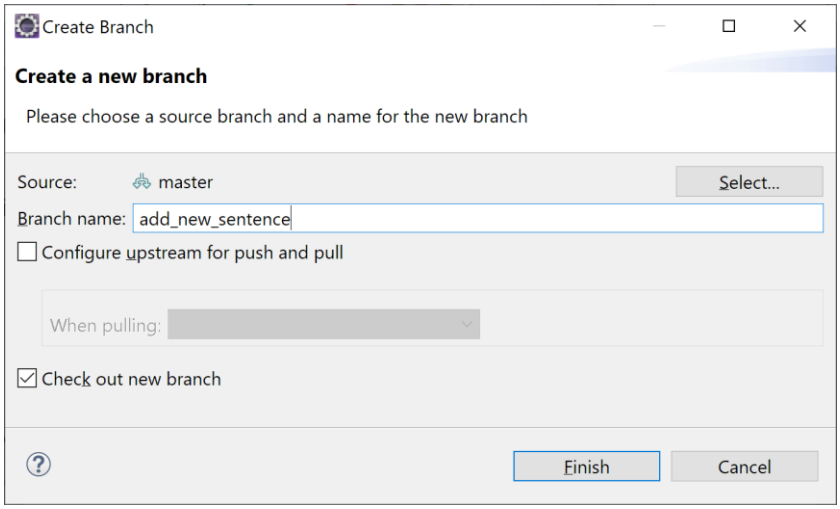
Step 7: Import Project

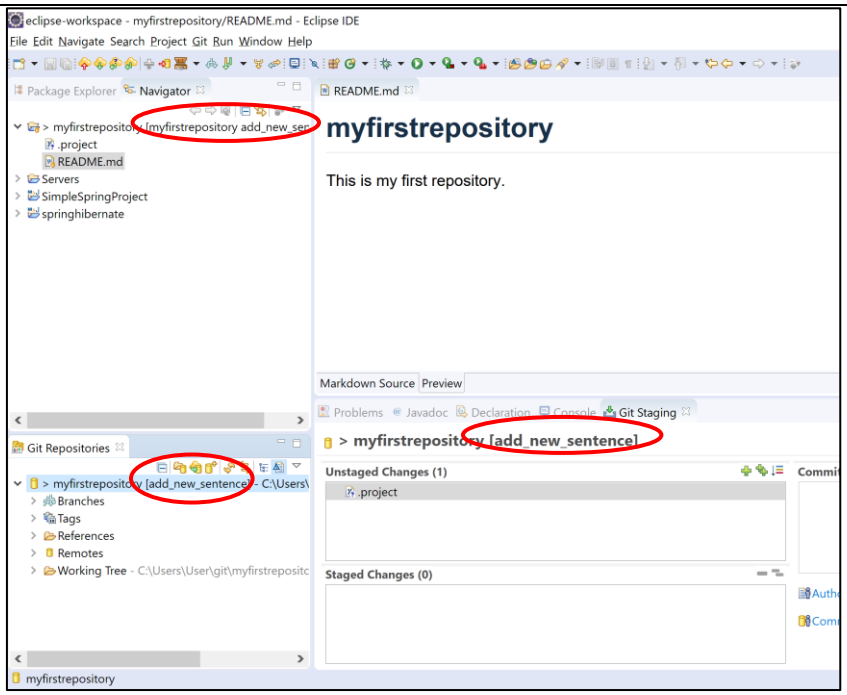
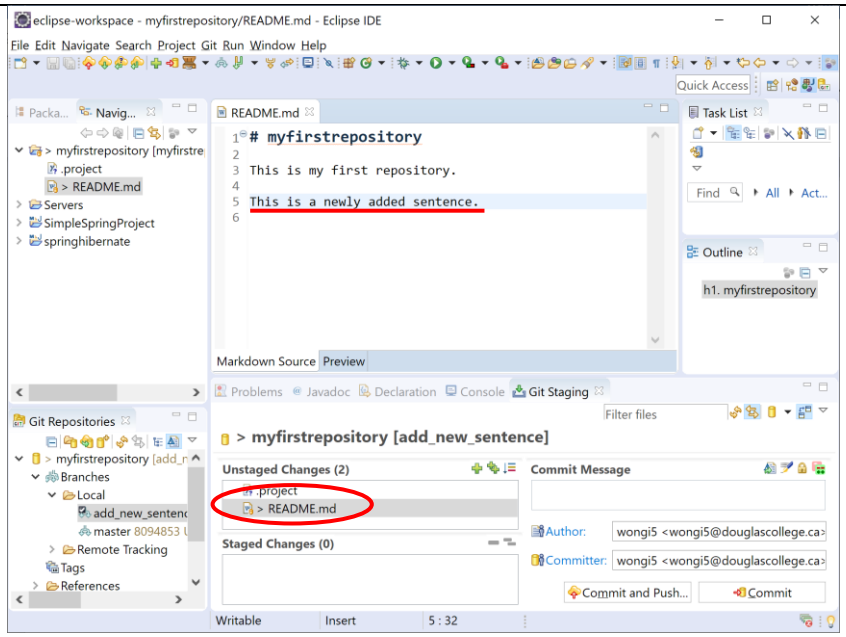
Right-click the repository and choose Import Projects

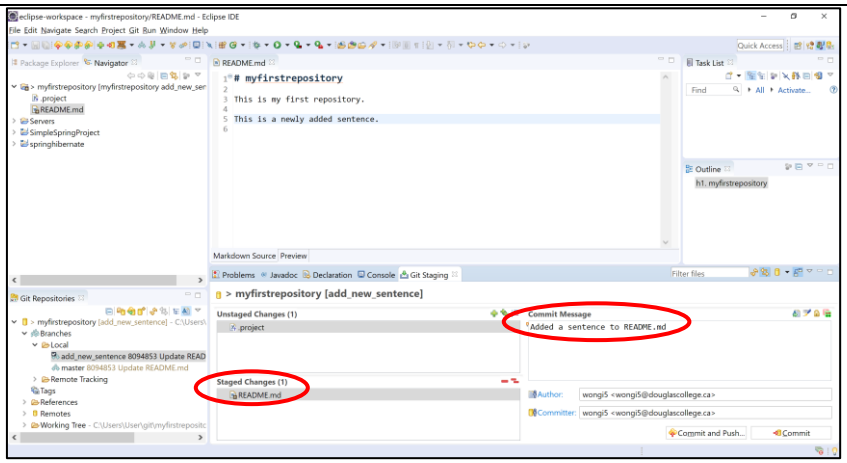
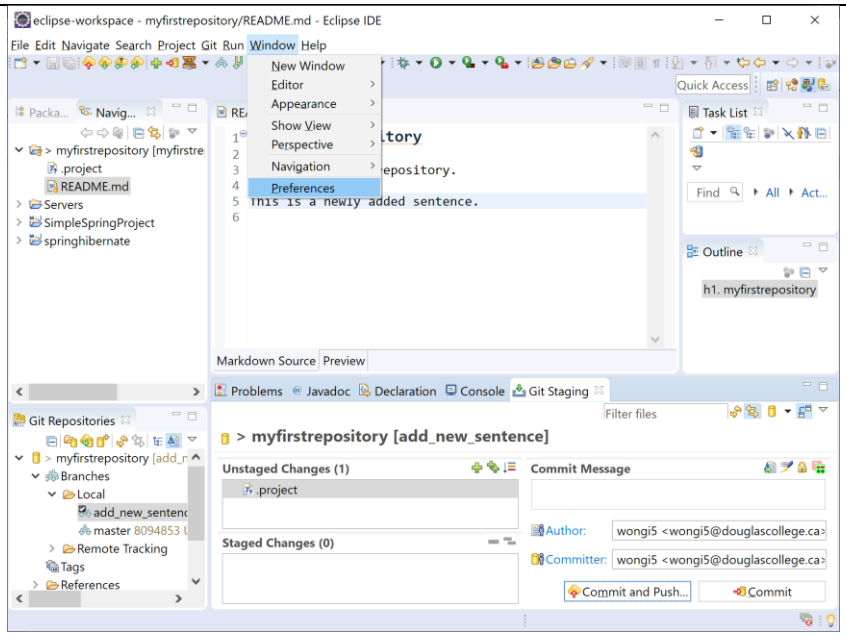


Click Finish in the dialog	 

Step 8: Open README.md Double-click README.md in the Package Explorer	
Step 9: Create a new branch to edit README.md Select README.md in the Package Explorer Click the icon Check out branch, tag or reference	

Choose the README.md in the master branch Click New Branch	
Give a name to the new Branch and click Finish	

You can switch between repositories by clicking the icon Check out branch, tag or reference and choose Check Out	
Step 10: Edit and commit in a branch Make sure you are in the new branch Edit the README.md by adding a sentence and Save	

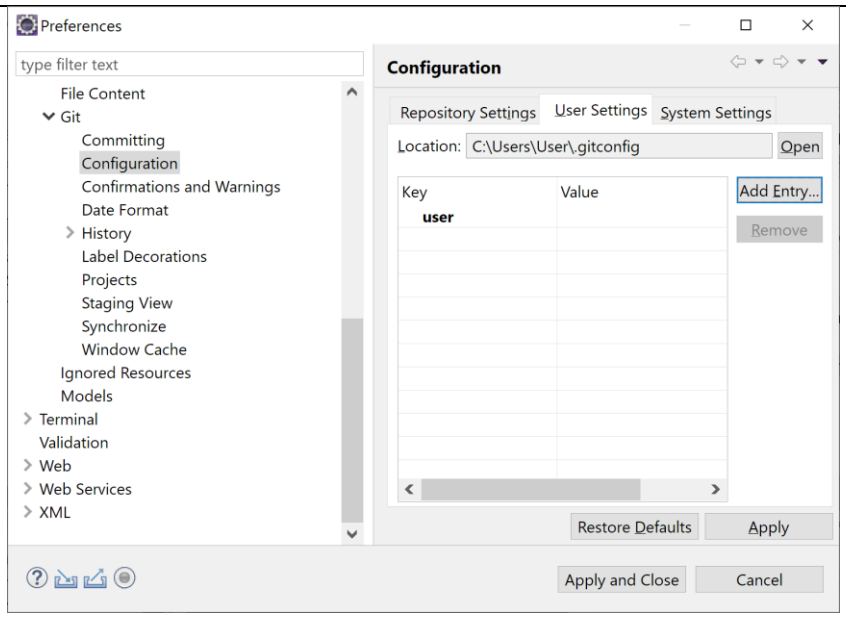
Drag-and-drop the README.md from Unstaged Changes to Staged Changes. This is to prepare to commit the changes in the repository. Add a comment to the Commit Message. Normally it shows the purpose of the changes and summary what you have done. Click the Commit button	
Step 11: Configure Git and Push the new branch to GitHub Choose Window → Preference	

Choose Git → Configuration

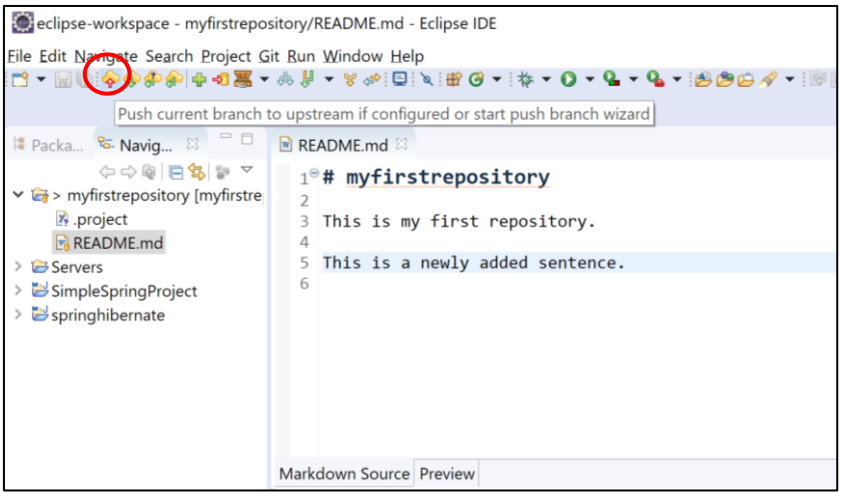
Click Add Entry to add the following Key-value pair:

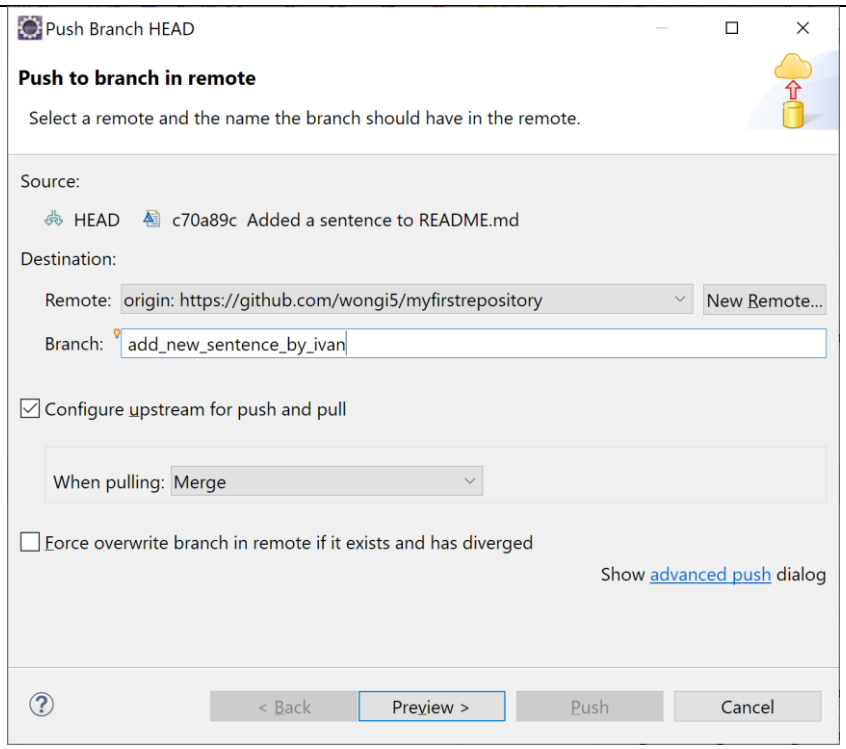
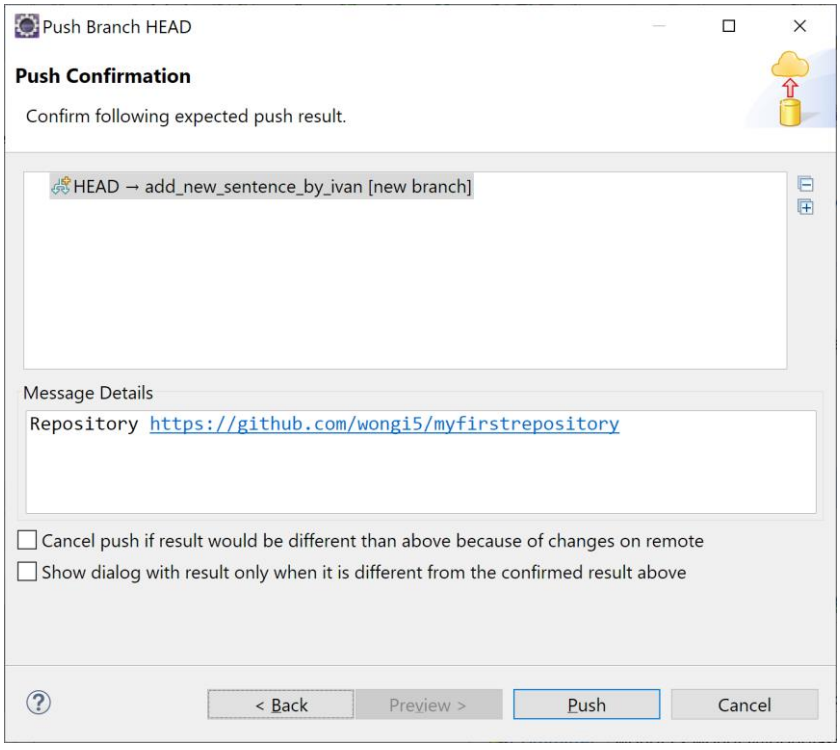
Key: user.name
Value: <Your Name>

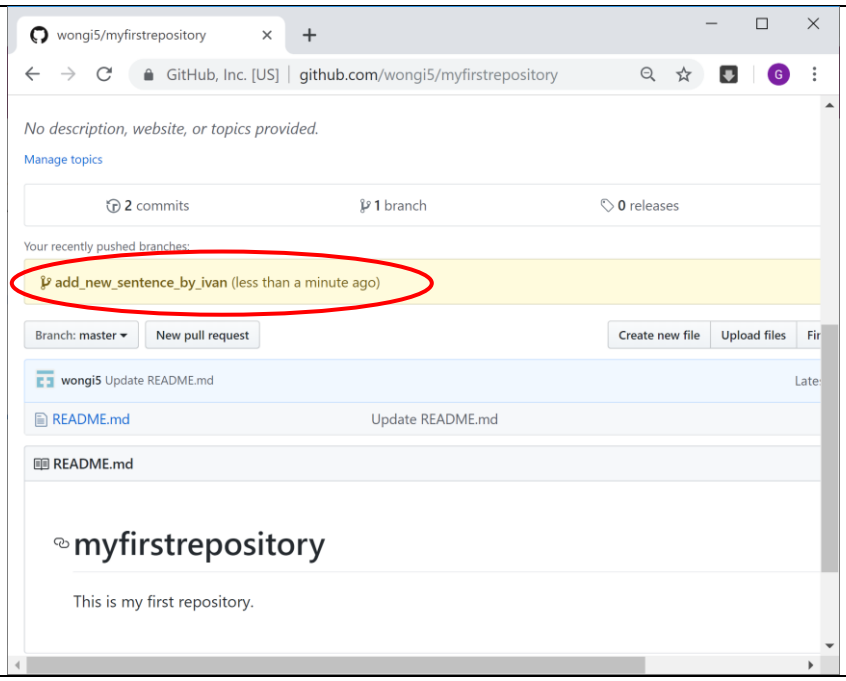
Key: user.email
Value: <The email of your email account>



Click the button Push the current branch to upstream if configured or start push branch wizard

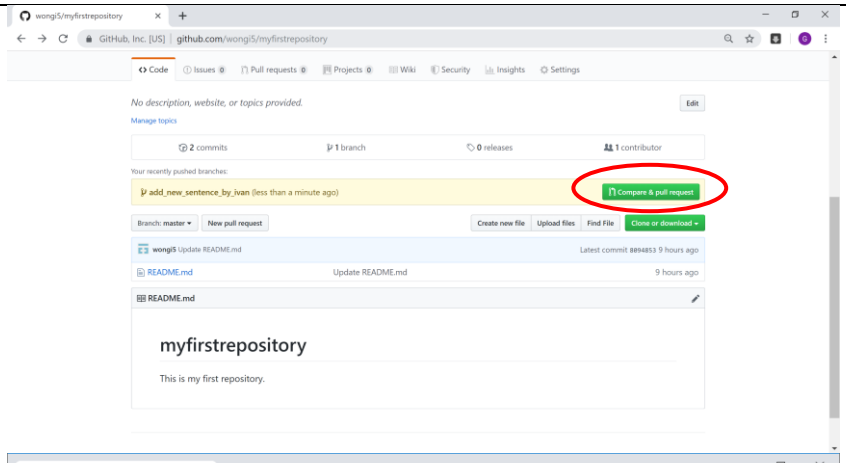


In the Branch field, change to a preferred name Click Preview Input your GitHub account info if asked	
Click Push Input your GitHub account info if asked	



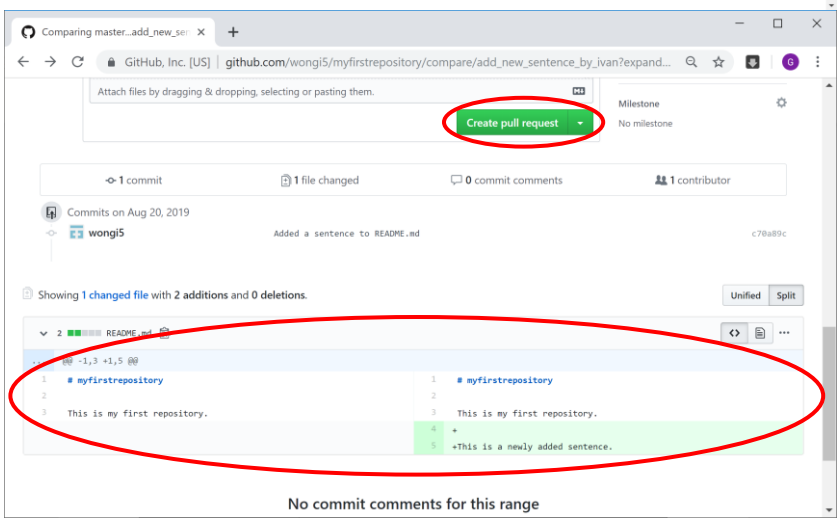
Step 12: Merge in GitHub

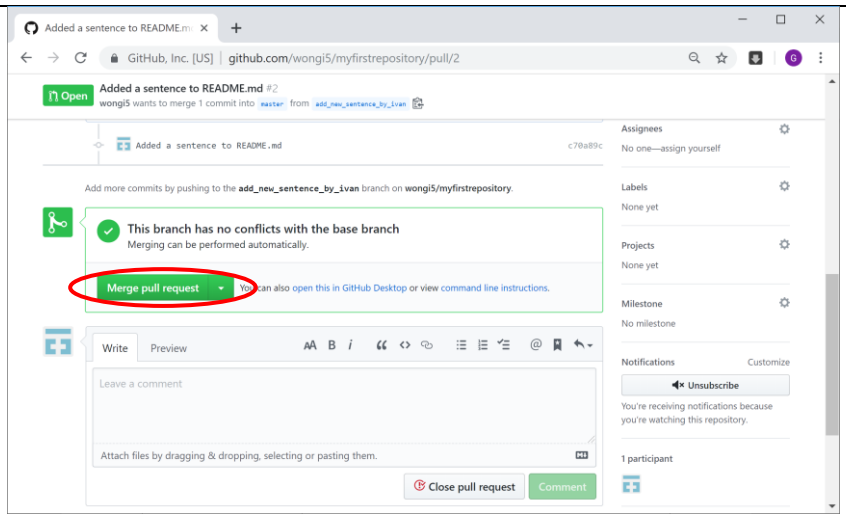
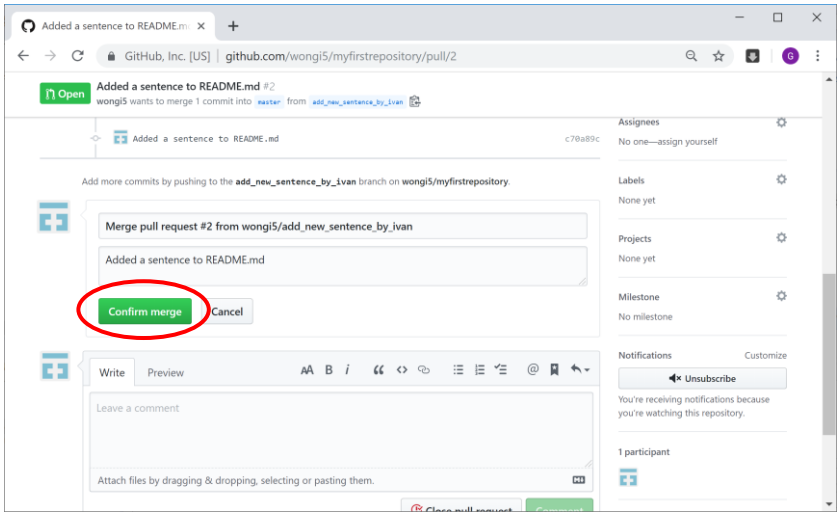
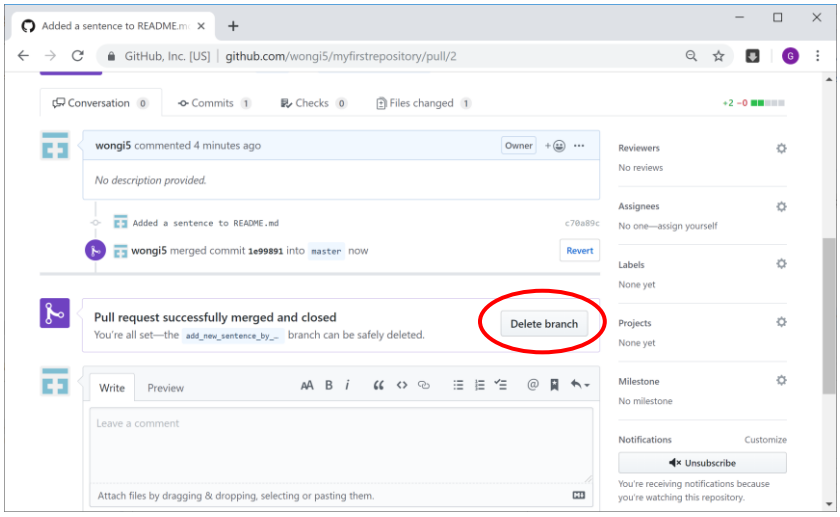
In the repository of GitHub, click Compare and pull request

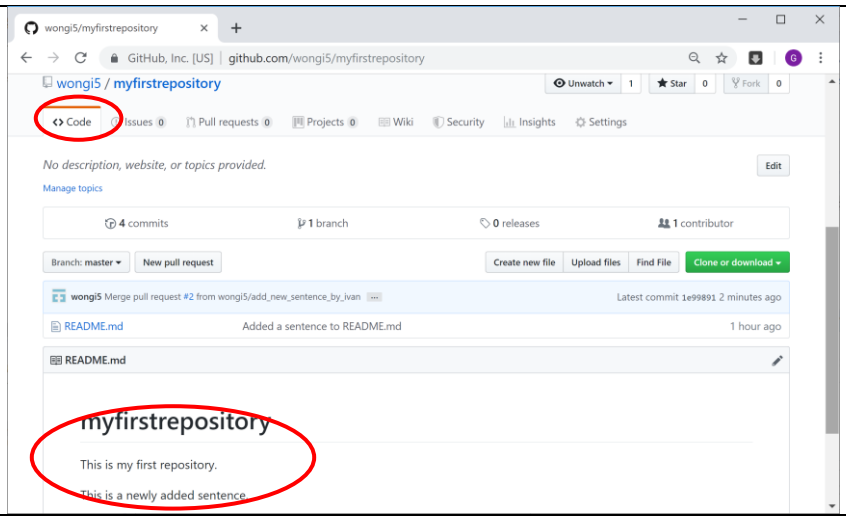
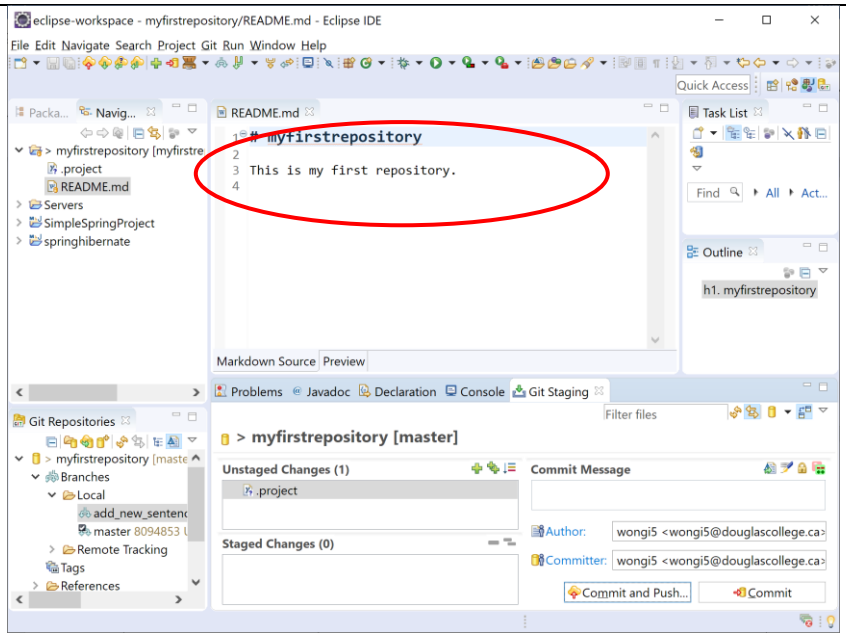
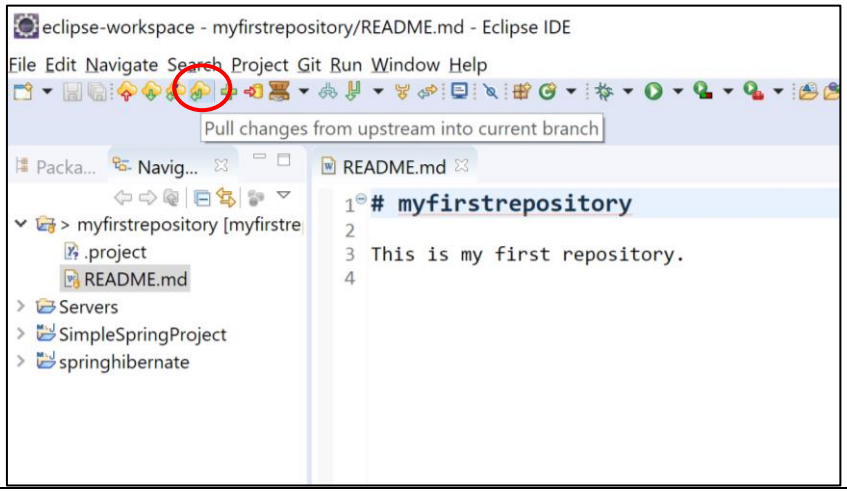


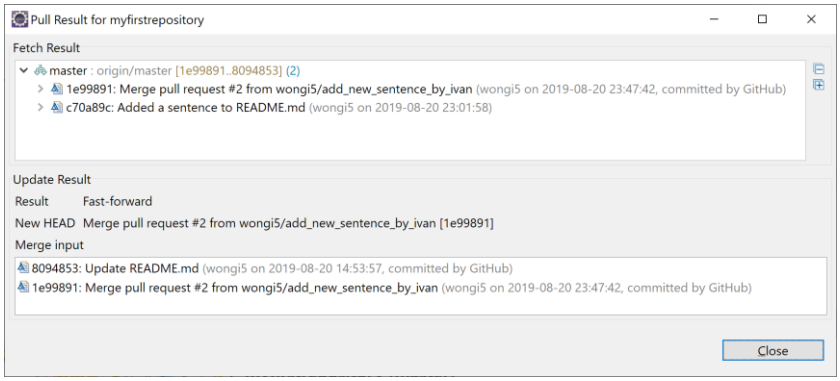
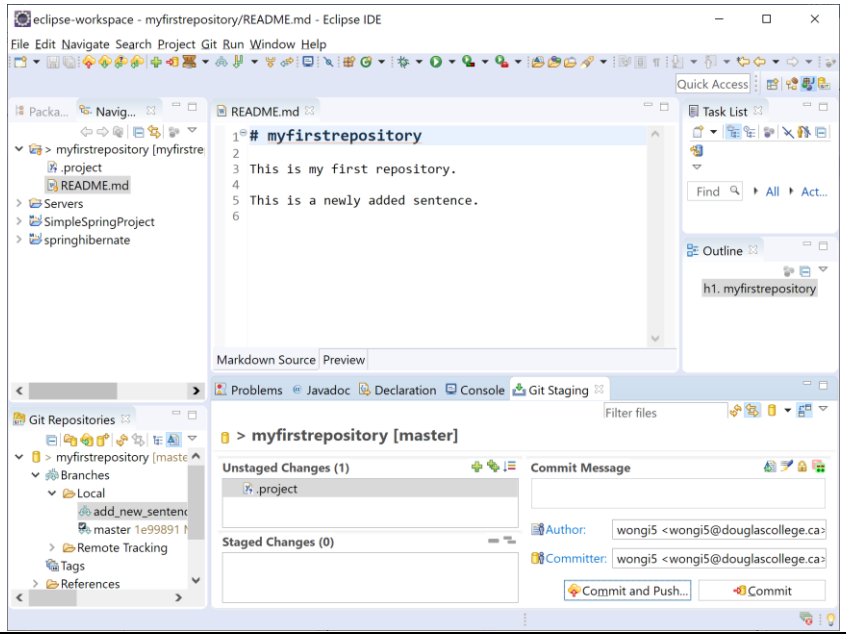
You can see the difference between the README.md in the master branch and the README.md in the new branch.

Click the Create pull request button



Click the Merge Pull Request to merge the two files.	
Confirm the Merge	
Click Delete the delete the new Branch in GitHub because it is no longer used.	

Go to <> Code and you can see the README.md is updated	
Step 13: Pull changes in Eclipse Change to the Master branch in Eclipse Note that the README.md is not updated	
Click the button Pull changes from upstream into current branch	

Click Close after reviewing the summary	
Note that the README.md is updated	

~~~ END ~~~
~~~