Guide on how to perform version control using Lab 2c as an example
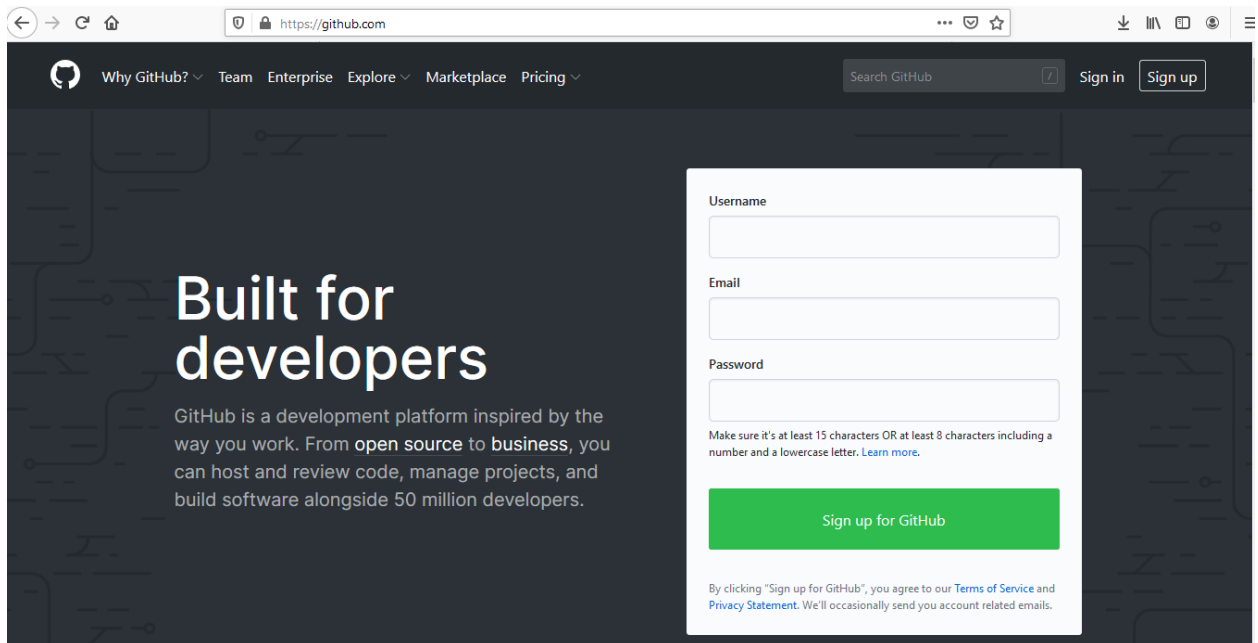
1. Please watch this video for an short introduction to GitHub, https://www.youtube.com/watch?v=iv8rSLsi1xo.

2. Make sure that your Lab2c files are copies to your desktop.

3. Go to https://github.com/

4. Register for your own Git account as shown in the following screenshots.

5. Verify your account by rotating the image correctly.
6. Click on Done below the image and Click on the "Join a free plan" button.

Join GitHub

Create your account

Verify your account

When the image
is the correct way up
touch Done!

Done

?

Email preferences

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

Join a free plan

7. Indicate your options and click on the "Complete setup" button.

Welcome to GitHub

Woohoo! You've joined millions of developers who are doing their best work on GitHub. Tell us what you're interested in. We'll help you get there.

What kind of work do you do, mainly?

Software Engineer	Student
I write code	I go to school

Product Manager	UX & Design
I write specs	I draw interfaces

Data & Analytics	Marketing & Sales
I write queries	I look at charts

Teacher	Other
I educate people	I do my own thing

How much programming experience do you have?

None	A little
I don't program at all	I'm new to programming

(Select up to 3)

Learn to code	Learn Git and GitHub	Host a project (repository)
Create a website with GitHub Pages	Collaborating with my team	Find and contribute to open source
School work and student projects	Use the GitHub API	Other

I am interested in:

languages, frameworks, industries

We'll connect you with communities and projects that fit your interests.
For example: wordpress project-management activitypub

Complete setup

8. Go to your email and click on the Verify email address button as shown below/

Please verify your email address

Before you can contribute on GitHub, we need you to verify your email address.

An email containing verification instructions was sent to **danyew75@hotmail.com**.

Resend verification email   Change your email settings

GitHub

Subscribe to our newsletter
Get product updates, company news, and more.

Subscribe

| Product	Platform	Support	Company
Features	Developer API	Help	About
Security	Partners	Community Forum	Blog
Team	Atom	Professional Services	Careers
Enterprise	Electron	Learning Lab	Press
Customer stories	GitHub Desktop	Status	Social Impact
Pricing		Contact GitHub	Shop
Resources			

[GitHub] Please verify your email address.

Almost done, @▇▇▇▇▇▇! To complete your GitHub sign up, we just need to verify your email address: ▇▇▇▇▇▇.com.
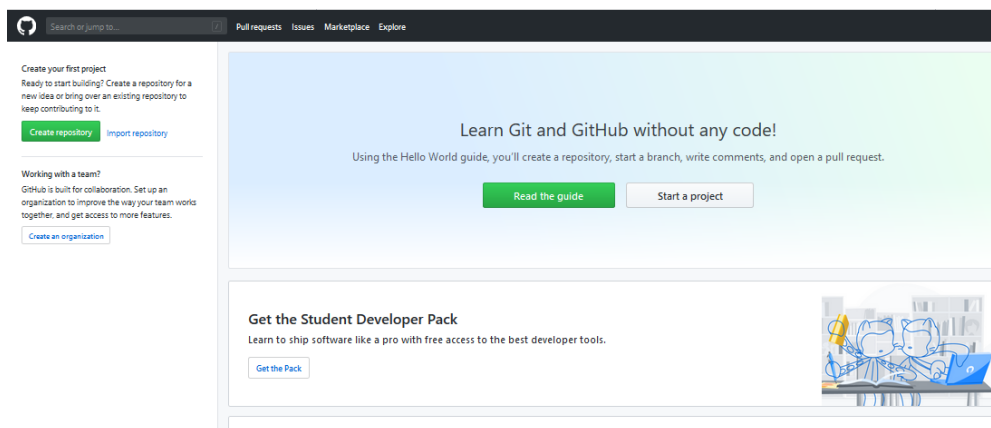
Verify email address

Once verified, you can start using all of GitHub's features to explore, build, and share projects.

9. Click on "Skip this for now".
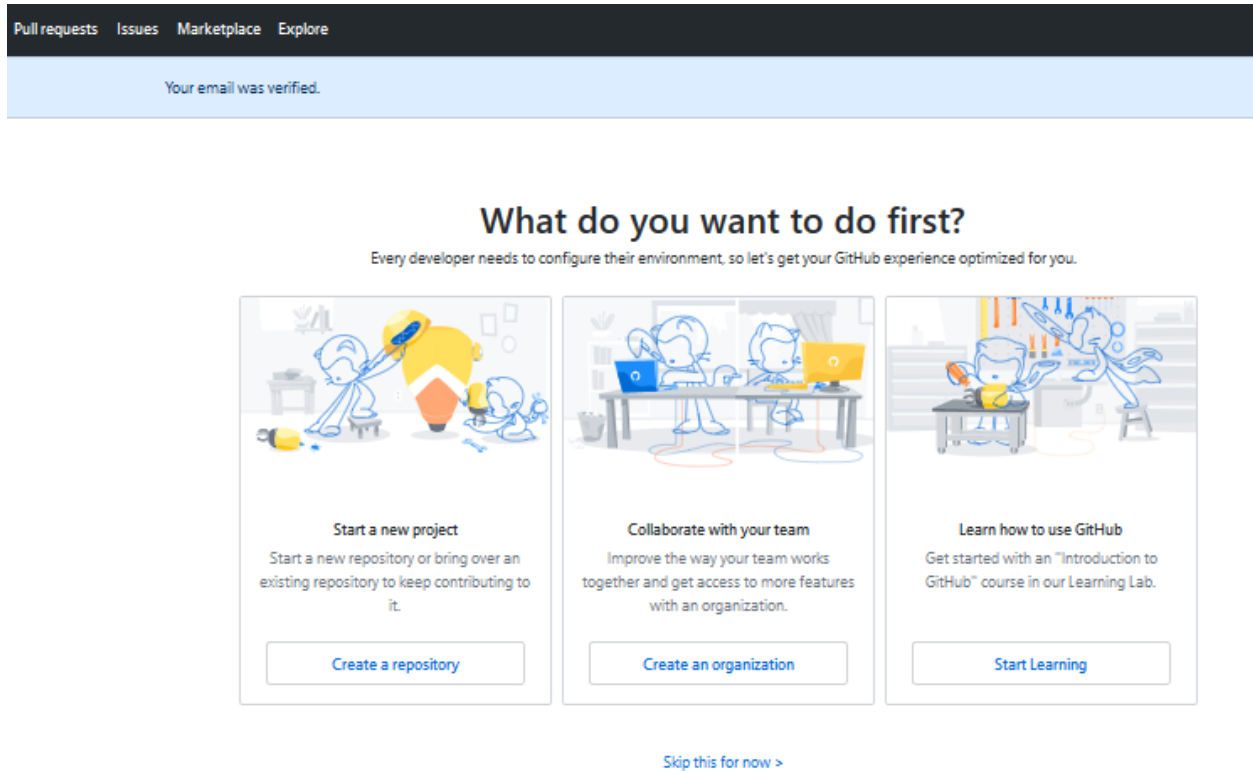
10. You will arrive at the following screenshot. Click on the green button labelled "Create repository".

11. Name the Repository name as "Lab2c".
12. Set the Repository to Public.
13. Check Initialize this repository with README.
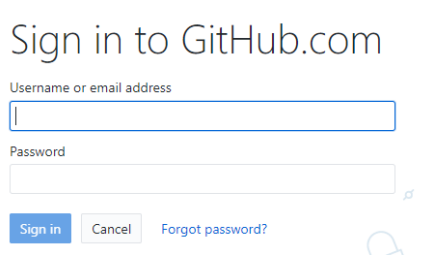14. Click on Create Repository as shown below.

15. Click on Clone or download button and select Open in Desktop.
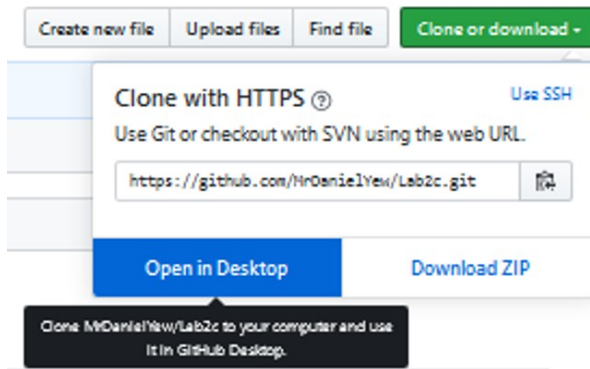
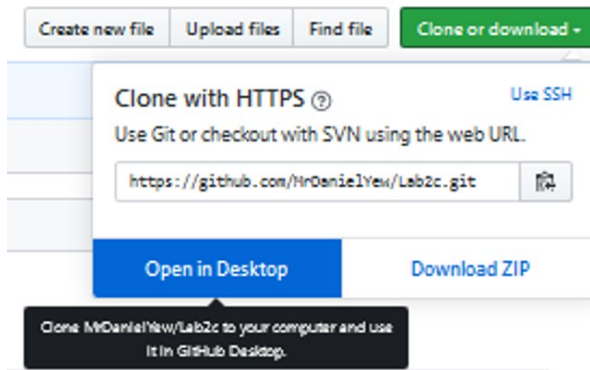16. Download and install the desktop version of GitHub

17. Sign in as shown below.

18. Go to your Github.com account and Click on Clone or download button and select Open in Desktop.
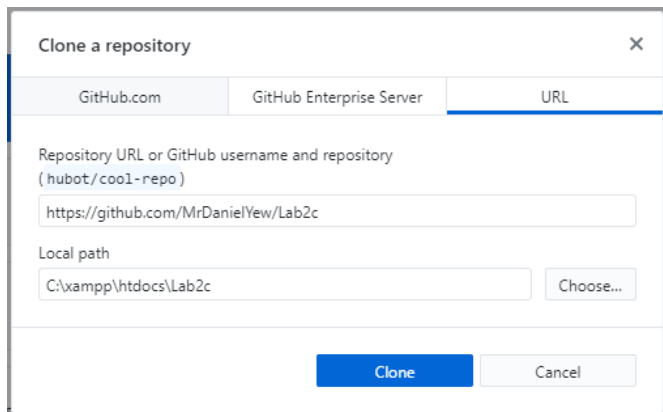
19. Browse the folder to C:\xampp\htdocs folder and type Lab2c. Lab2c folder will be added for you. Update the Repository URL if necessary.
20. Click on Clone.

21. Check that Lab2c has appeared and that it has a file inside as shown below.
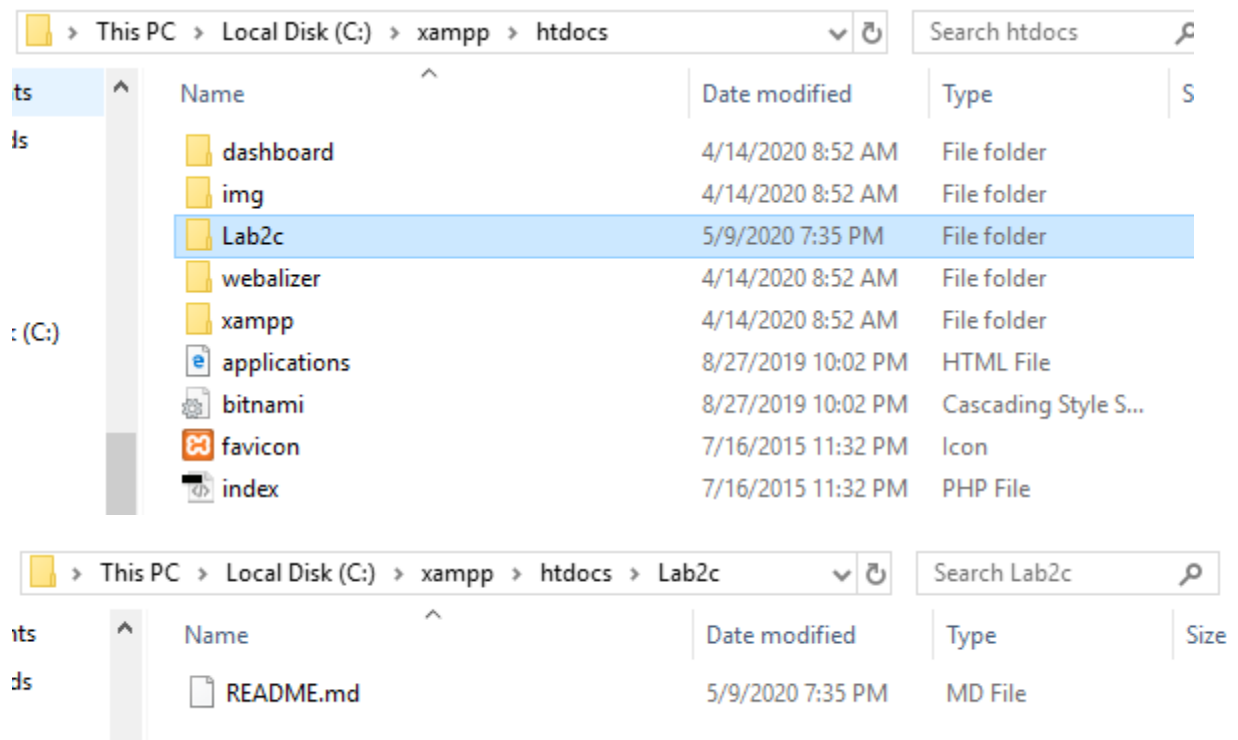
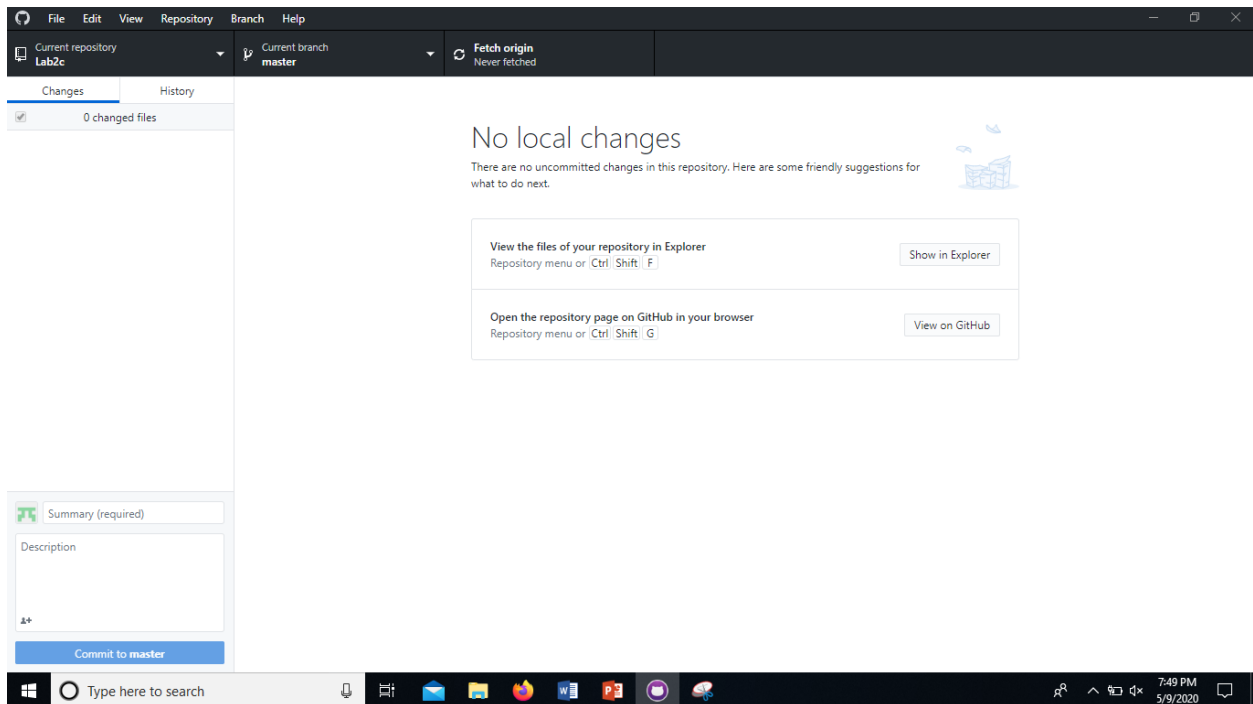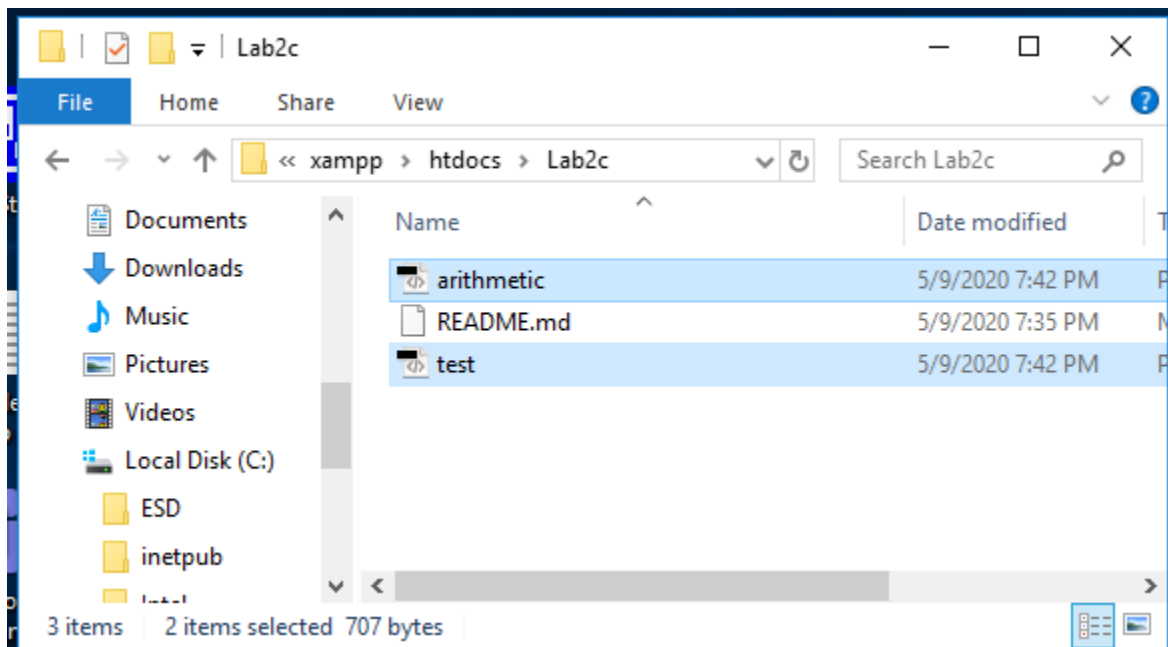22. Notice your empty github desktop screen as shown below.

23. Drag all the files over to the repository folder of as shown below.

24. Notice the your github desktop updates with 2 files.

Current repository	Current branch	Fetch origin
Lab2c	master	Last fetched 12 minutes ago

Changes 2   History   arithmetic.php

☑   2 changed files
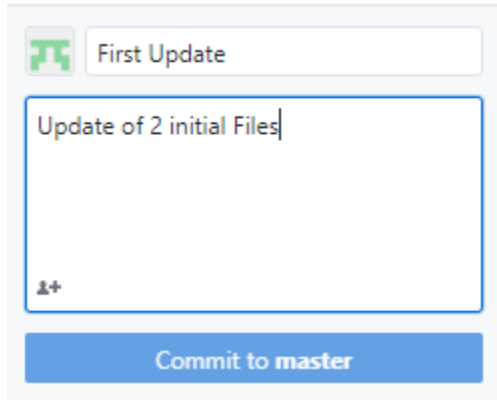
☑ arithmetic.php   ⊞

☑ test.php   ⊞

```
@@ -0,0 +1,20 @@
 1  +<?php
 2  +//arithmetic php
 3  +//Perform arithmetic operations abd assign the results to variables.
 4  +
 5  +$addition = 2 + 4 ;
 6  +$substraction = 6 -2 ;
 7  +$multiplication = 5 * 3;
 8  +$division = 15/3;
 9  +$modulus = 5% 2;
10  +
11  +//Output the result
12  +echo "Perform addition: 2 + 4 = ".$addition."</br>";
13  +echo "Perform substraction: 6 - 2 = ".$substraction."</br>" ;
14  +echo "Perform multiplcation: 5 * 3 = ".$multiplication."</br>" ;
15  +echo "Perform division: 15 / 3 = ".$division."</br>" ;
16  +echo "Perform modulus: 5 % 2 = ".$modulus."</br>" ;
17  +
18  +
19  +
20  +?> ⊘↵
```

Summary (required)

Description

👤+

Commit to master

25. Key in some description of the updates as shown below and click on Commit to master button to save the changes.
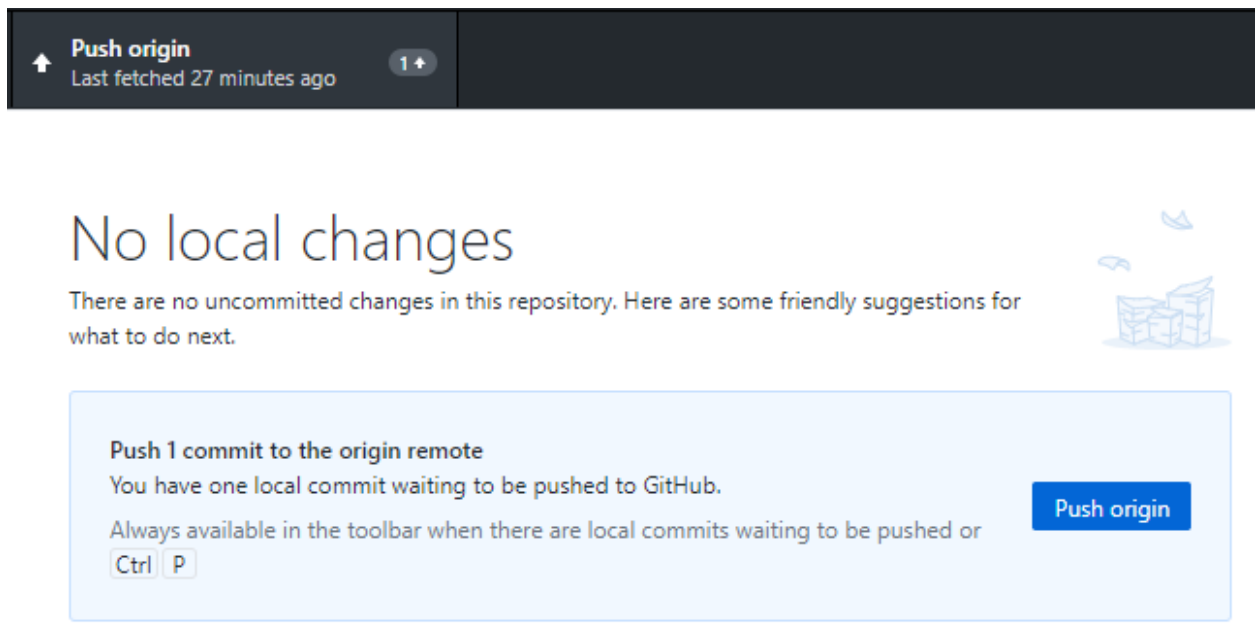

26. Click on Push origin button to upload the 2 new files into Github.com.
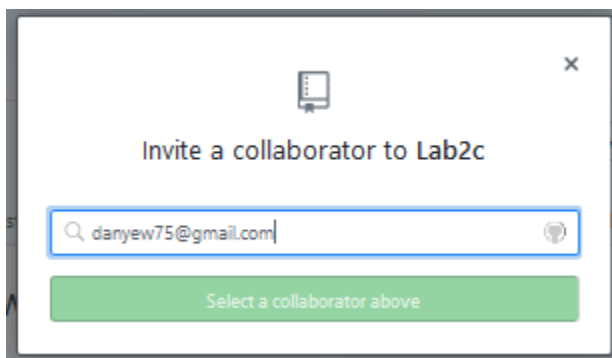
Notice that 2 files have been uploaded to Github.com.

27. Go to Github.com.
28. Click on Manage Access.
29. Click on Invite a collaborator.
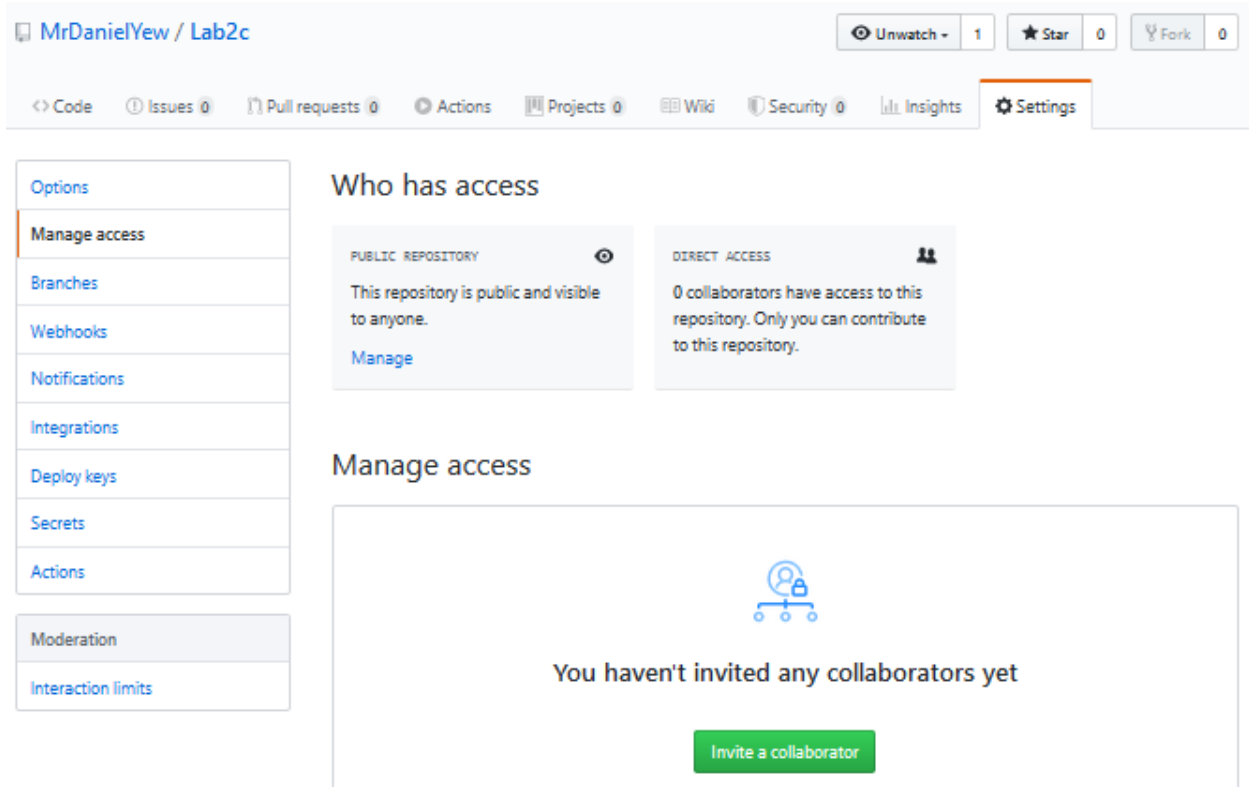
30. Enter danyew75@gmail.com and click on Select a collaborator above button!

31. Use the above steps as a guide to perform version control on your PESS project.
32. Name your repository as RegNo_yourname_PESS.
33. Add my email address danyew75@gmail.com as a collaborator.
34. Screenshot all your steps in a word or pdf.
35. Save your pdf file as RegNo_Name_Versioncontrol.
36. Remember to submit this file to myconnexion, the google drive folder whose link you have shared with me and the

Additional Resources

What is Git | What is GitHub | Git Tutorial | GitHub Tutorial

https://www.youtube.com/watch?v=xuB1Id2Wxak

Merge request conflict resolution
https://docs.gitlab.com/ee/user/project/merge_requests/resolve_conflicts.html#conflicts-available-for-resolution

Creating Branch in GitHub | Pull Request | Merge

https://www.youtube.com/watch?v=OVQK2zzb6U8