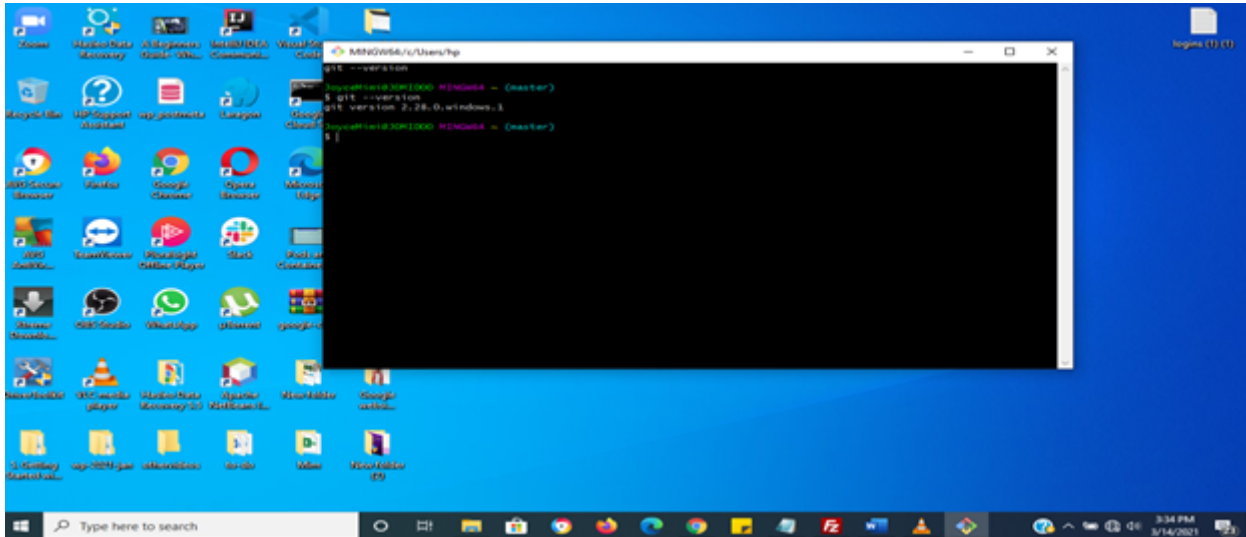


L3 Assignment. IMAGES

3.2.1 Install Git on your computer

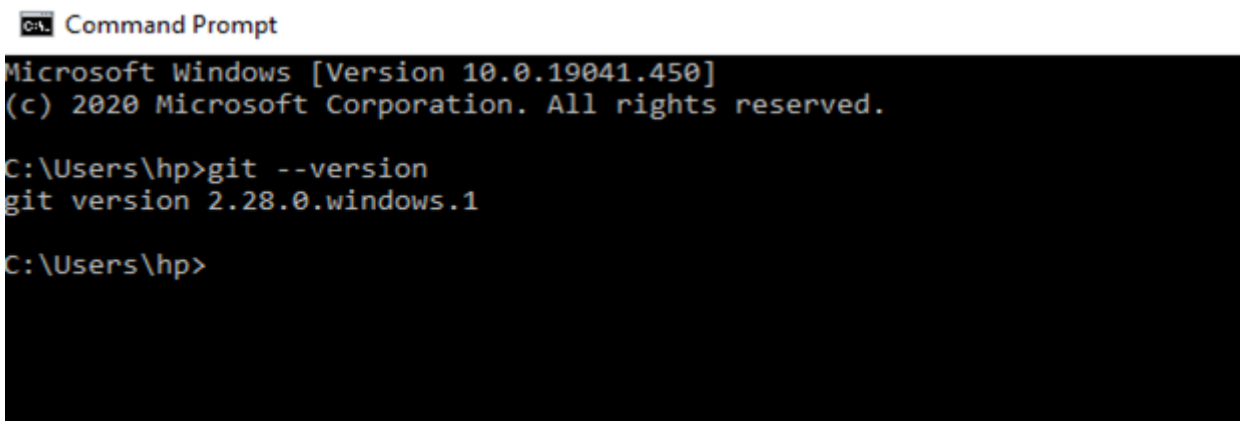
a). Git Bash On my computer



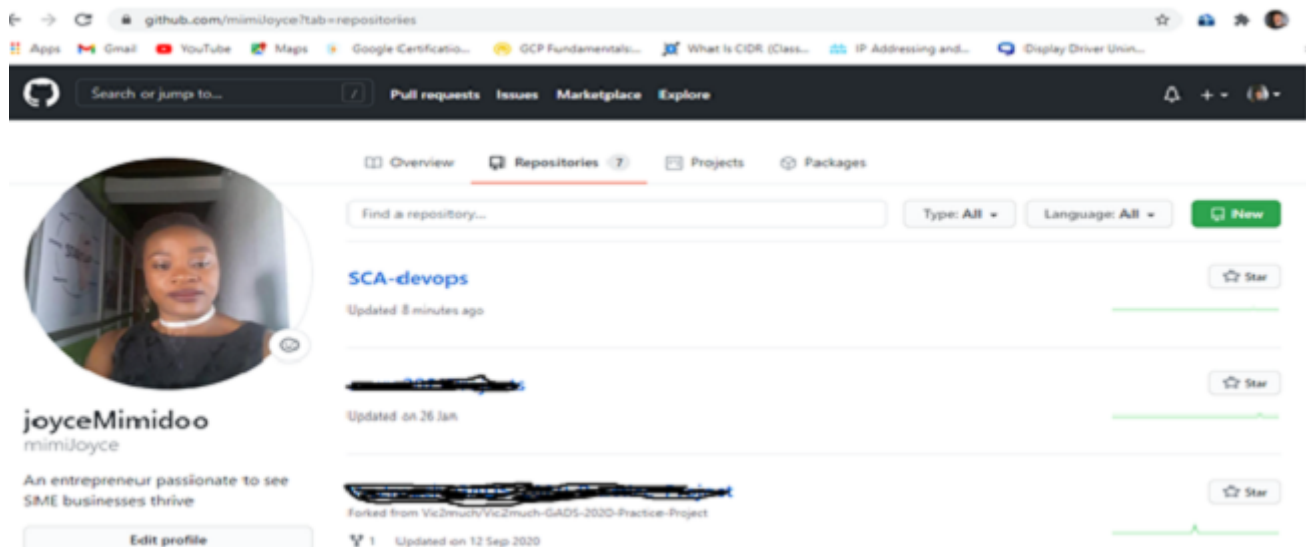
check also



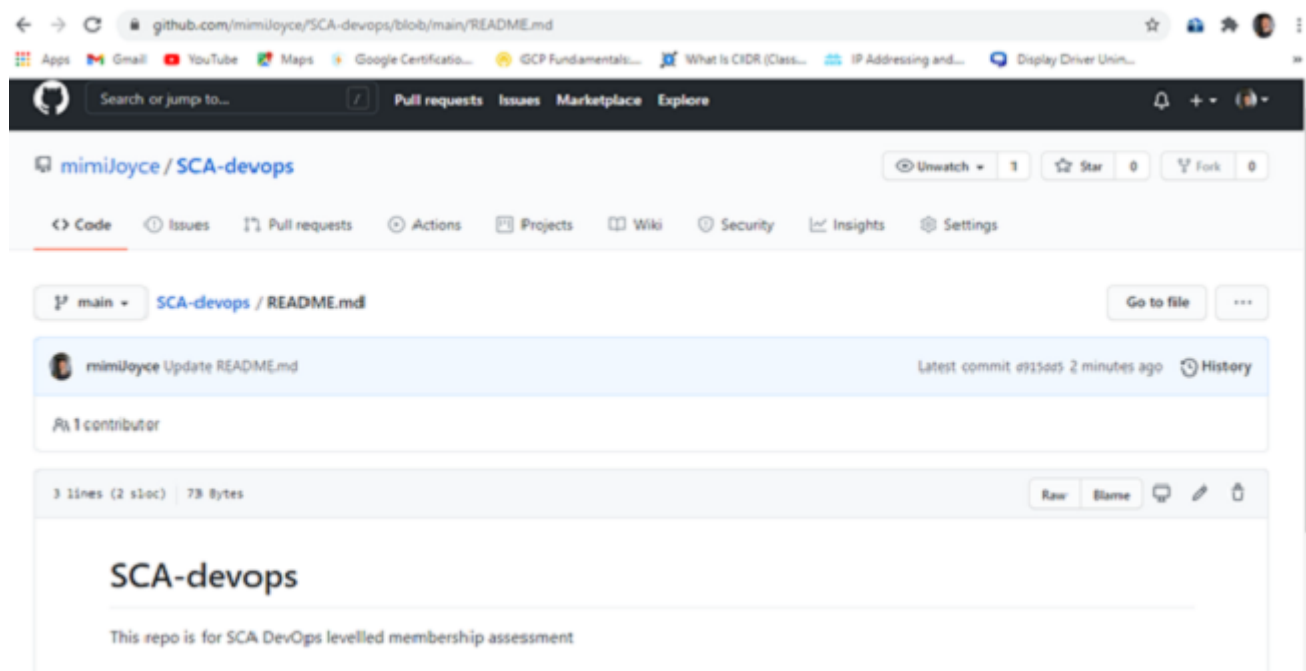
b). Running Git on my windows command line (cmd)



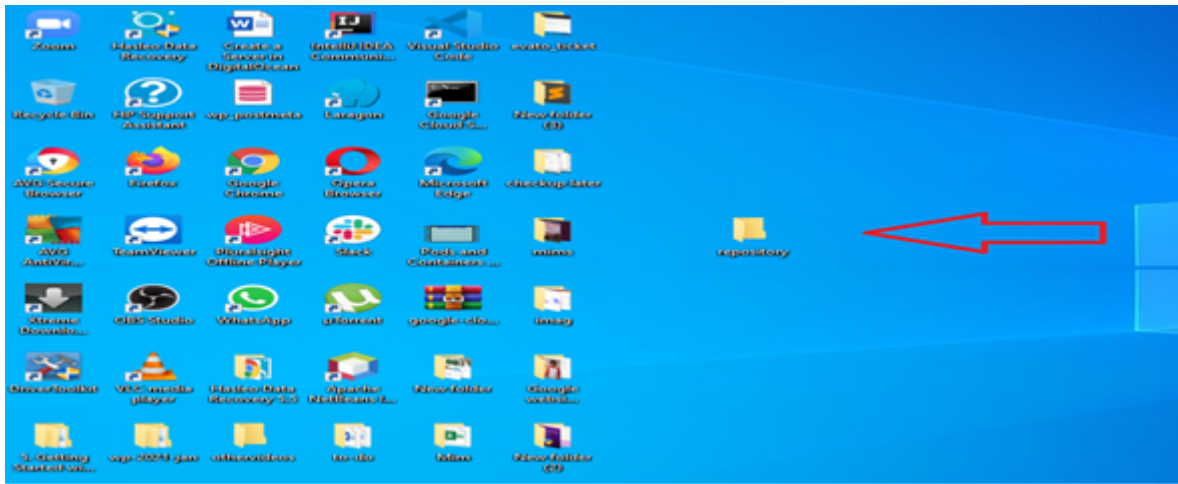
3.2.2 Create a Git-Hub account (if you don't already have one) and create a repository called "SCA-devops"



3.2.3 Add your first Readme file (explain in your ReadMe file that the repo is for SCA DevOps levelled membership assessment)

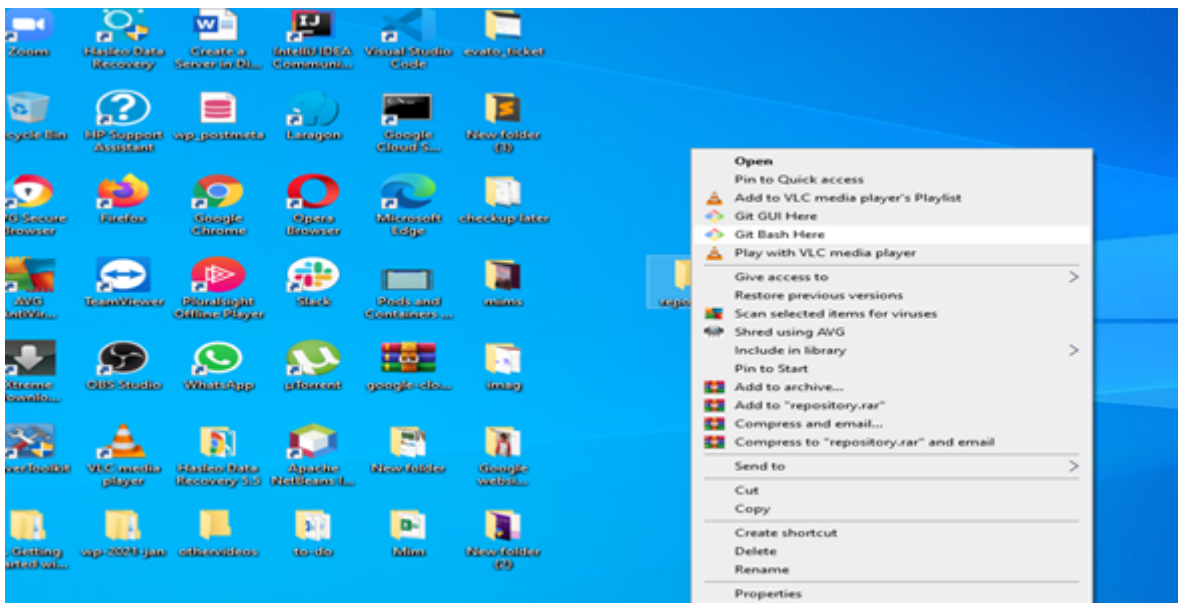


3.2.4 On your local system, create a directory called "repository"

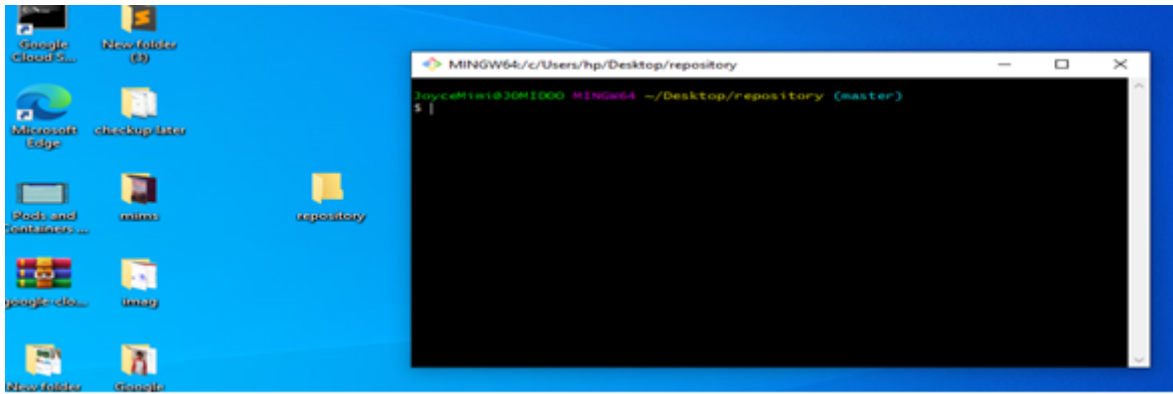


3.2.5 Clone the repository you created in (2) above into your local system inside the directory in (4) above.

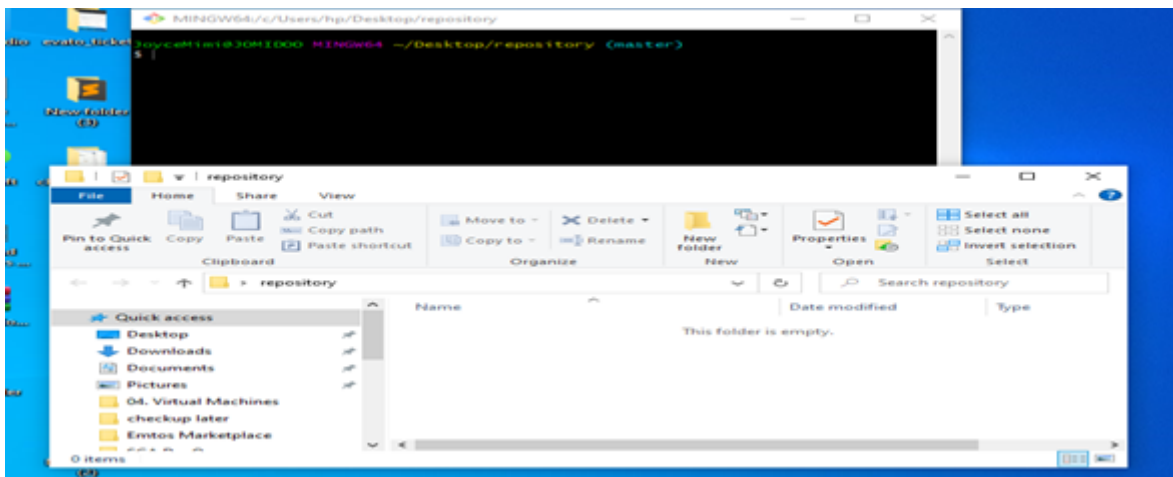
i). gitbash into repository by right clicking on the repository folder and selecting Git Bash Here



ii). Git Bash opens

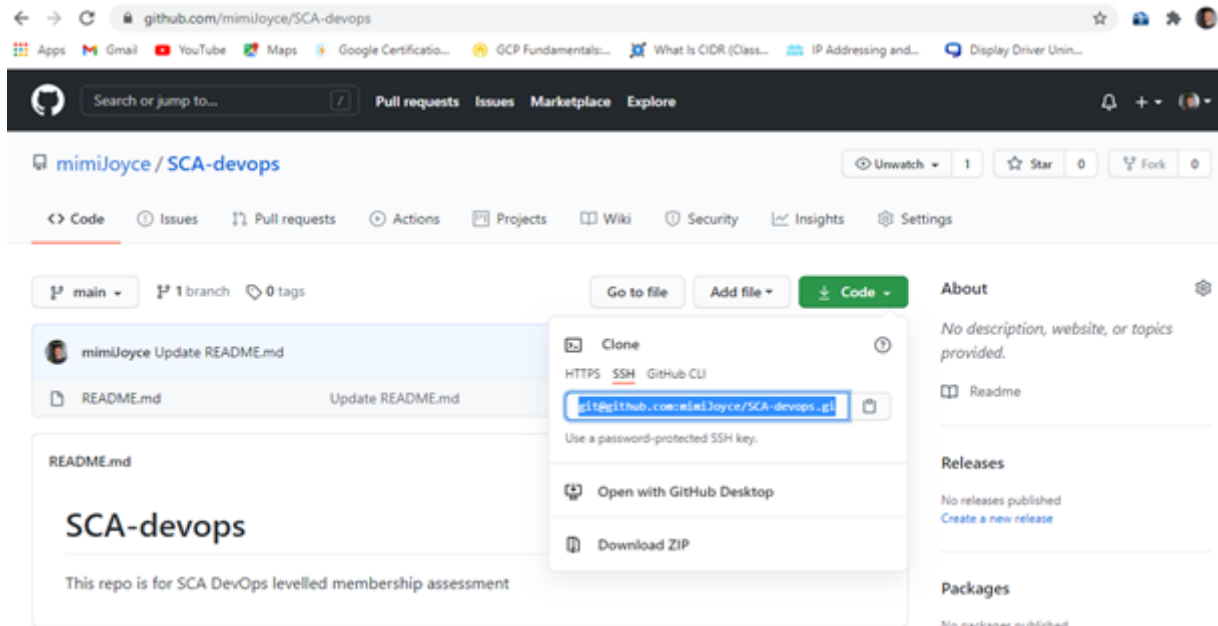


iii). Open up the repository folder on your desktop, set it side by side and then clone SCA devops repository and watch what happens in your local repository folder

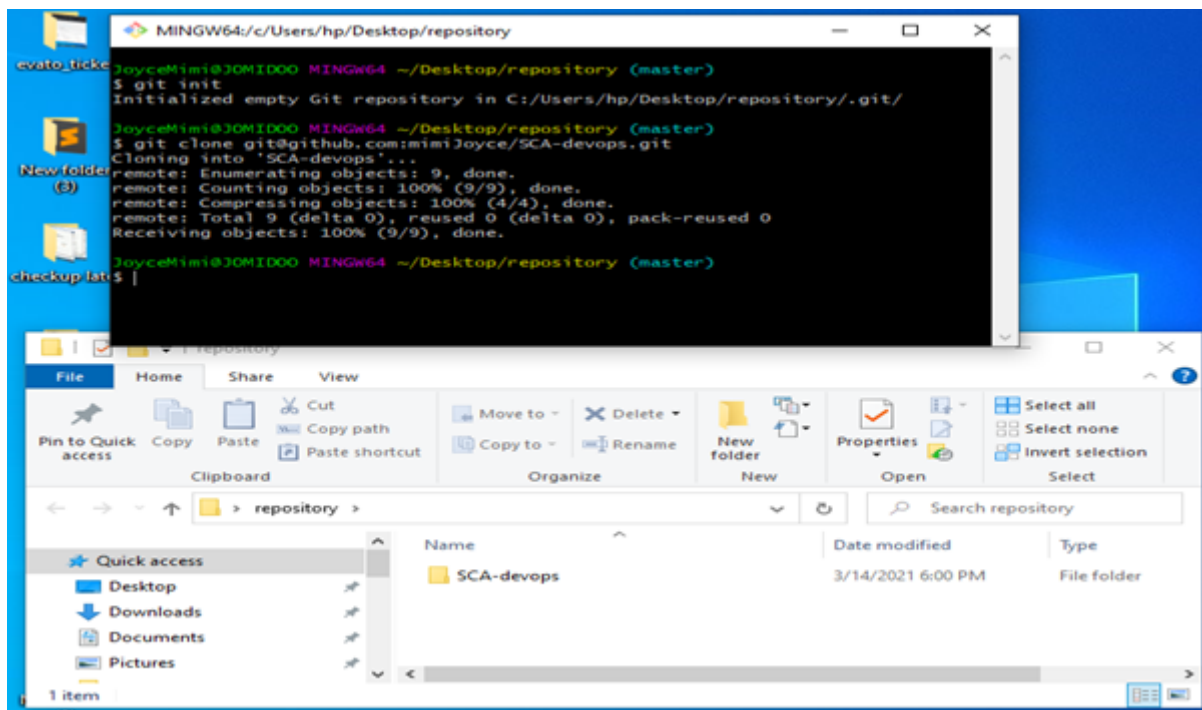


Initialise your local folder with the command then Clone your repository with ssh to local directory and watch it show up in repository folder

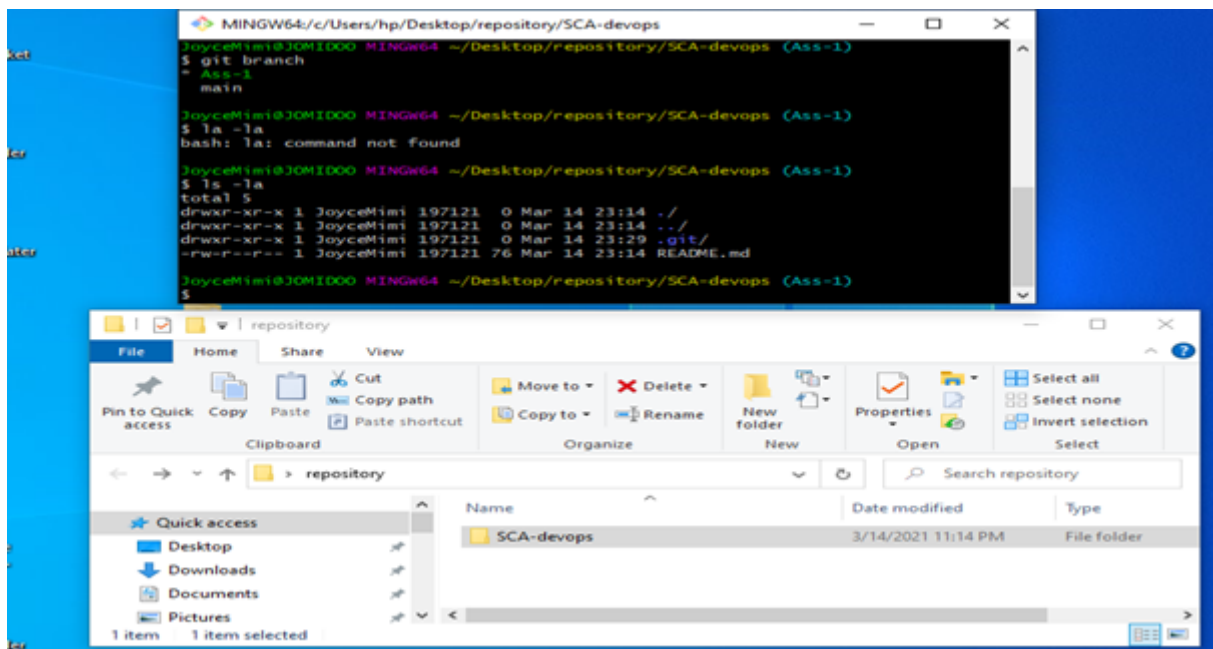
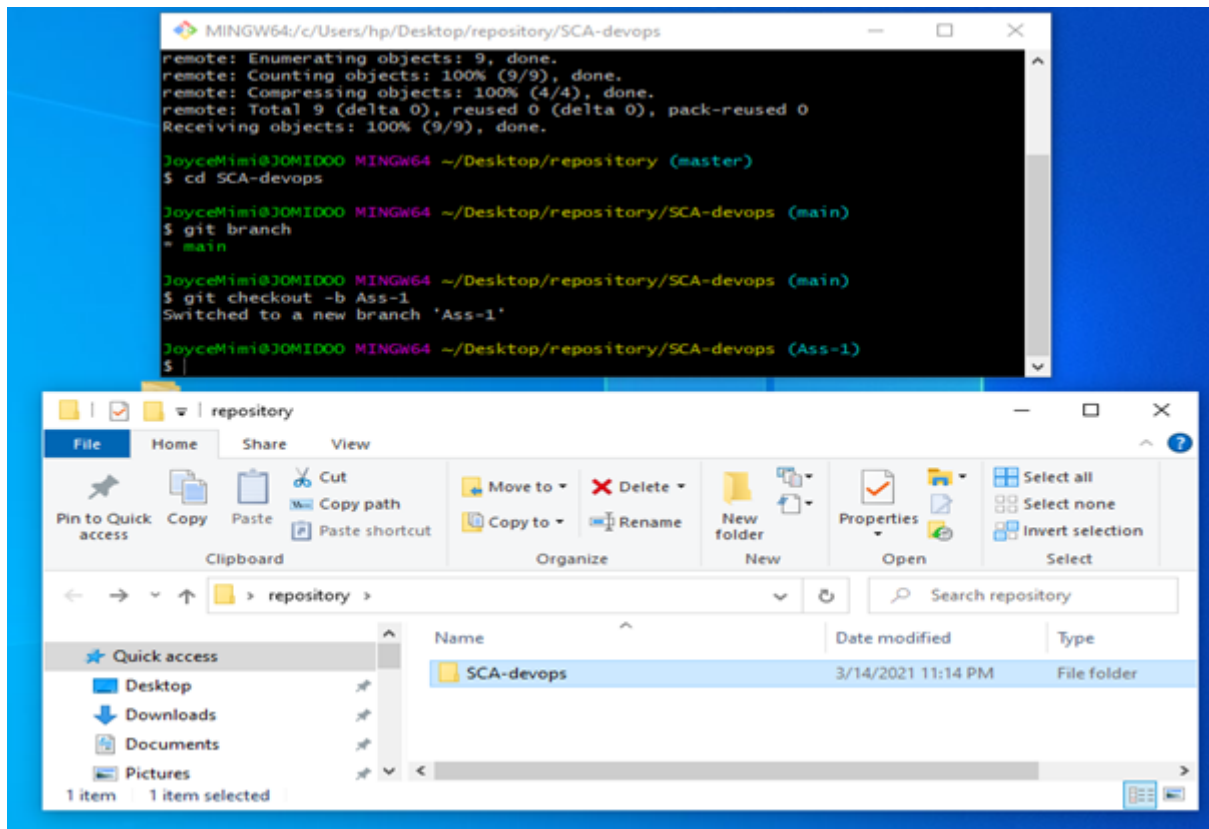
a). clone repository



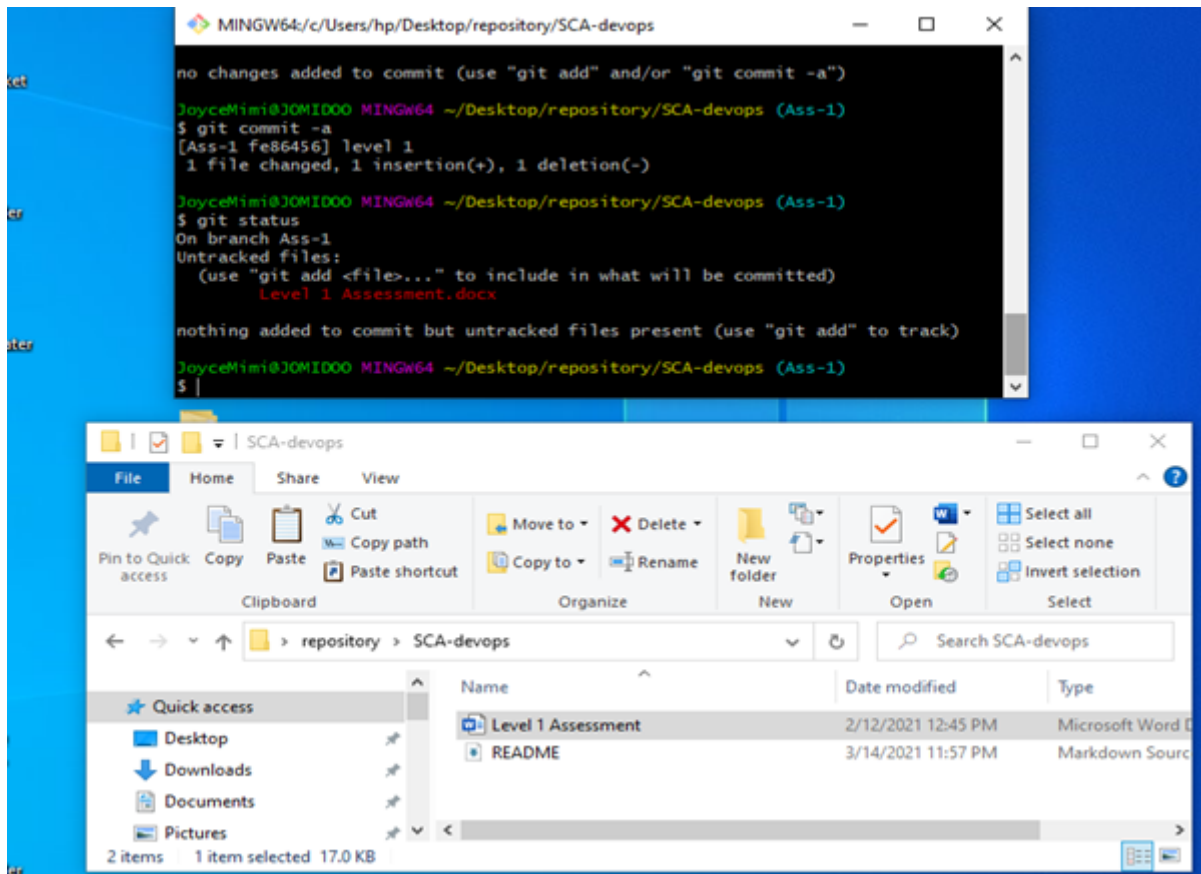
b). in your Git Bash, use `git clone<INSERT-CLONE-REPO-COPIED-HERE>`



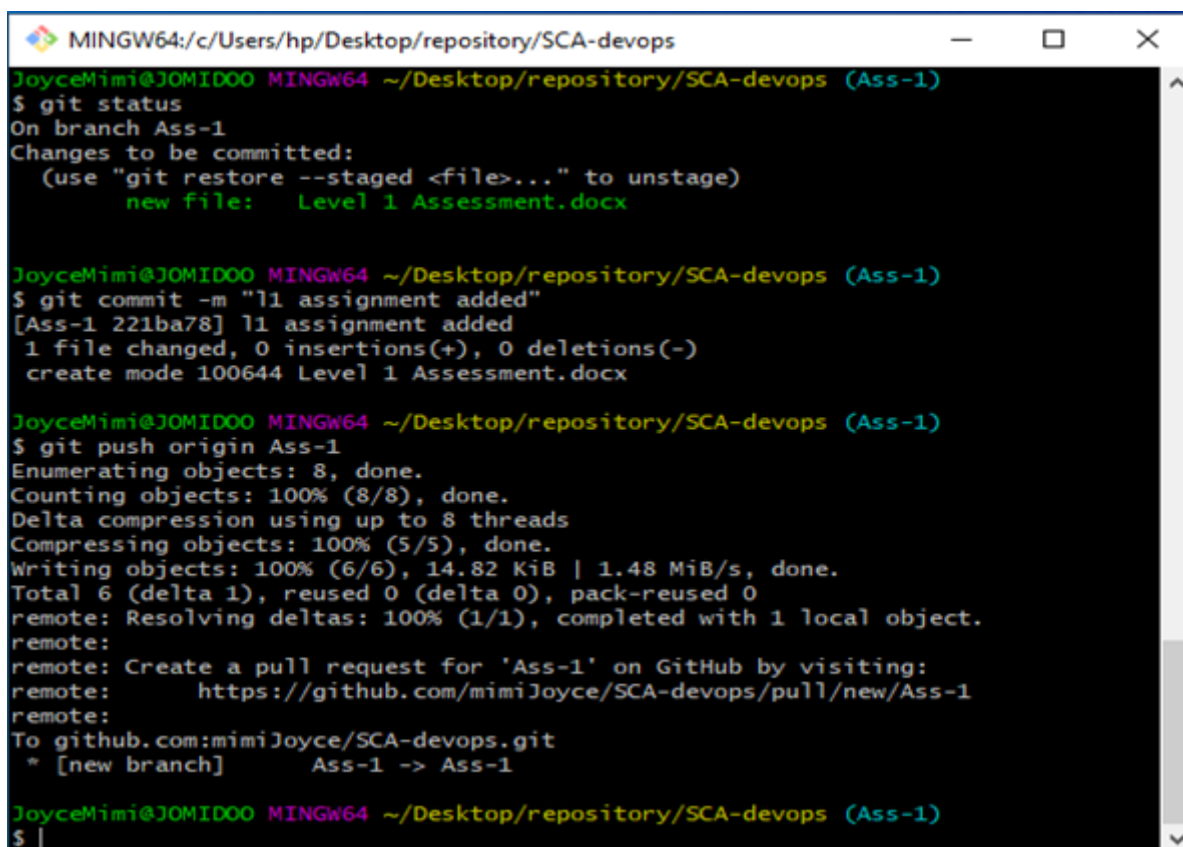
3.2.6 Create a new branch called "Ass-1" with this command: `git branch [branch-name]`

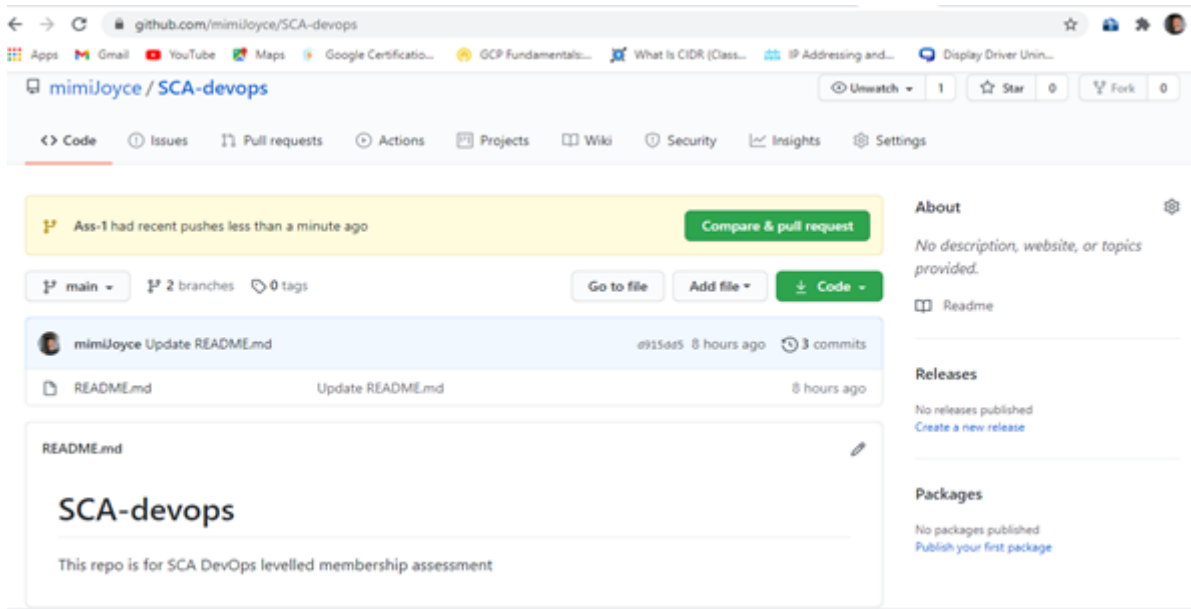


3.2.7 In your new branch, add the solution to your Assignment in L1

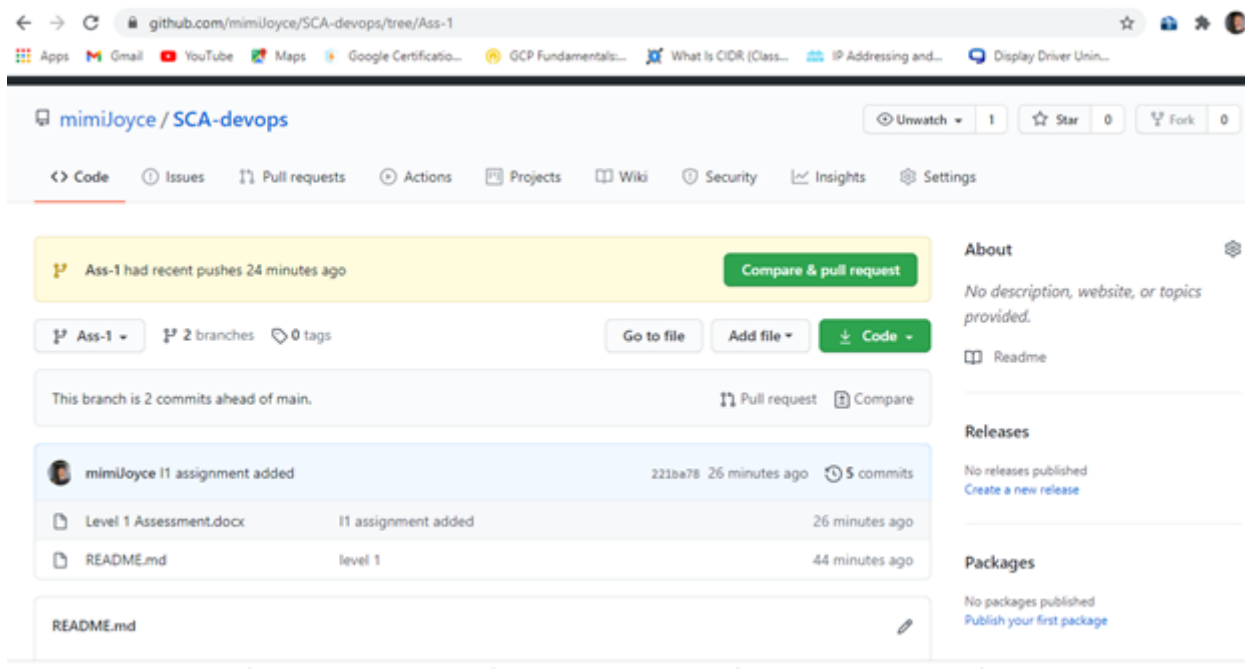


3.2.8 Commit your local changes and push to your upstream repository





Ass-1 git branch on remote repo



3.2.9 Create a Pull Request (PR) from Ass-1 branch to your Master or Main branch

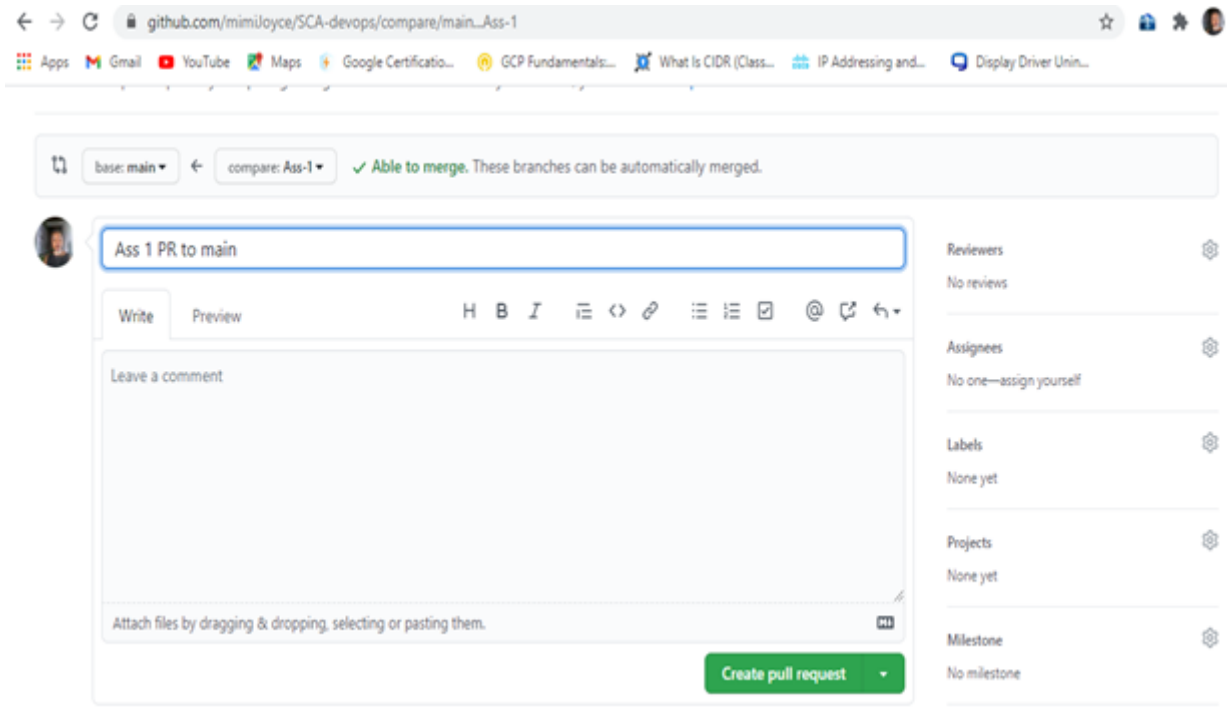
a). **click** pull request

The screenshot shows the GitHub interface for the repository `mimiJoyce/SCA-devops`. The top navigation bar includes links for Pull requests, Issues, Marketplace, and Explore. Below the repository name, there are tabs for Code, Issues, Pull requests (which is selected), Actions, Projects, Wiki, Security, Insights, and Settings. A notification banner at the top states: "Label issues and pull requests for new contributors. Now, GitHub will help potential first-time contributors discover issues labeled with `good first issue`". Below this, there is a search bar with the text "is:pr is:open" and buttons for "Labels" (9) and "Milestones" (0). A green button labeled "New pull request" is visible on the right.

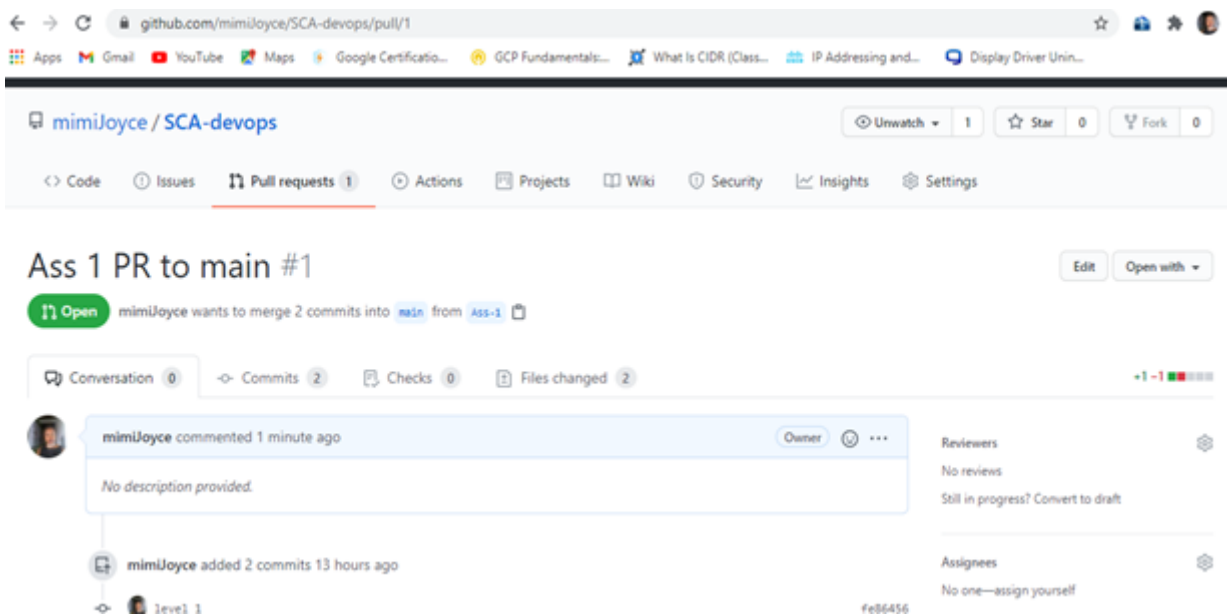
b). bring changes made in Ass-1 into main branch

The screenshot shows the GitHub "Comparing changes" page for the repository `mimiJoyce/SCA-devops`. The page title is "Comparing changes" and the subtitle is "Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#)." Below the title, there is a comparison bar showing "base: main" and "compare: Ass-1". A green checkmark indicates "Able to merge. These branches can be automatically merged." Below this, there is a yellow box with the text "Discuss and review the changes in this comparison with others. [Learn about pull requests](#)". A green button labeled "Create pull request" is visible on the right.

c). enter title



d). your pull request

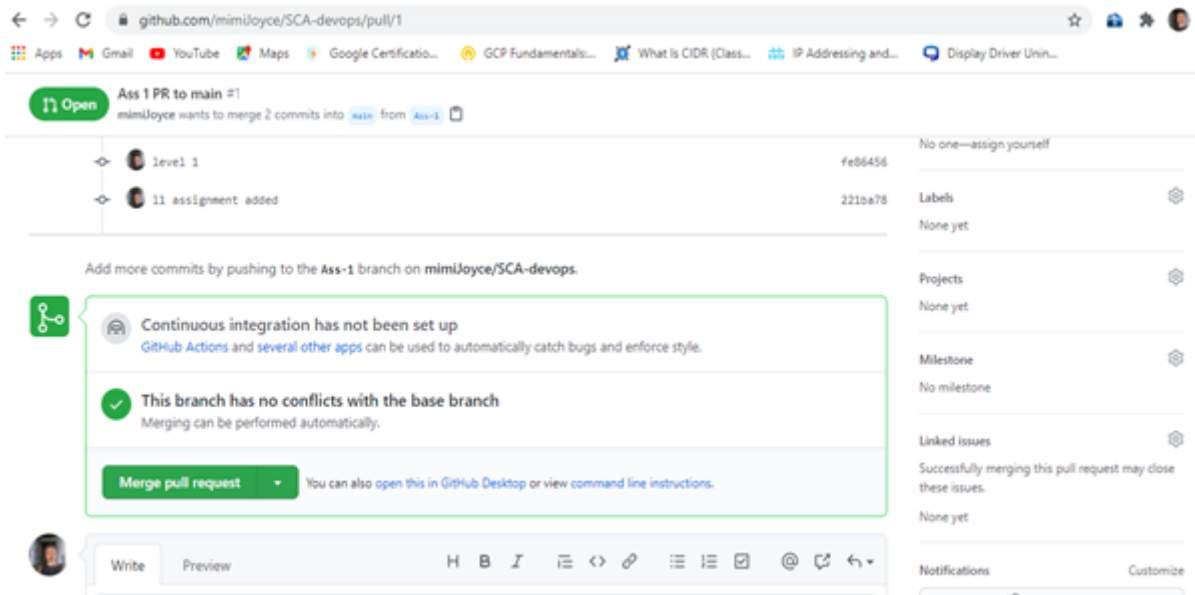


3.2.10 Copy the link of your PR and save it somewhere

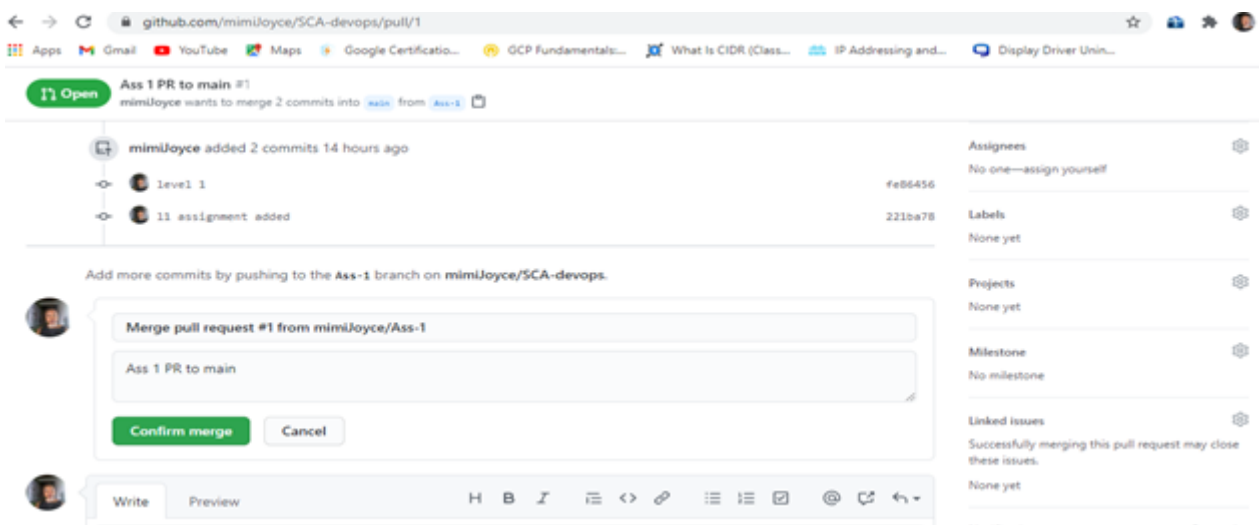
<https://github.com/mimiJoyce/SCA-devops/pull/1>

<https://github.com/mimiJoyce/SCA-devops/pulls>

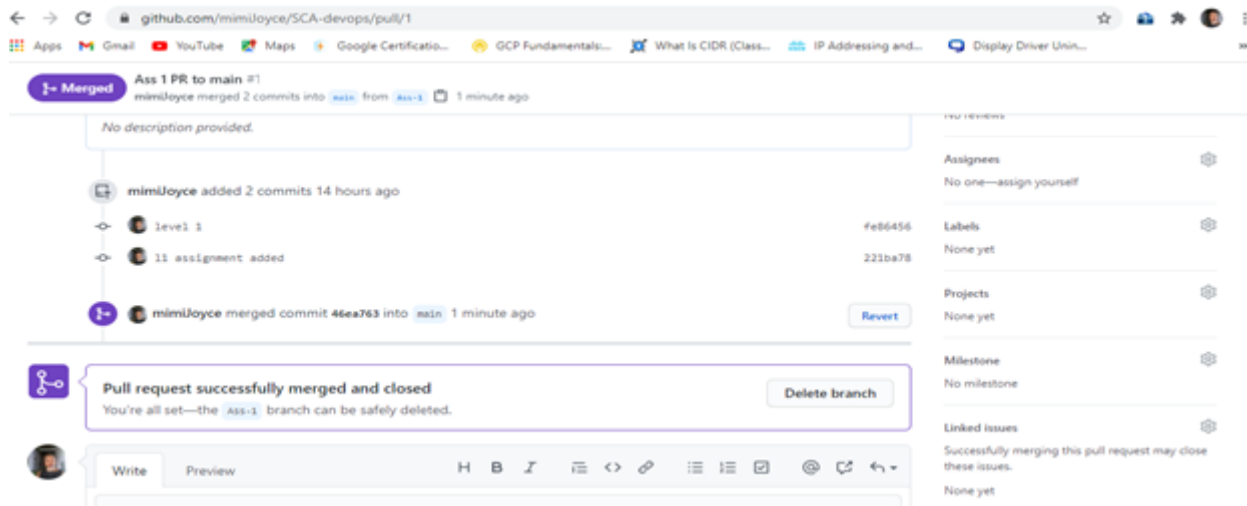
3.2.11 Merge your PR to master



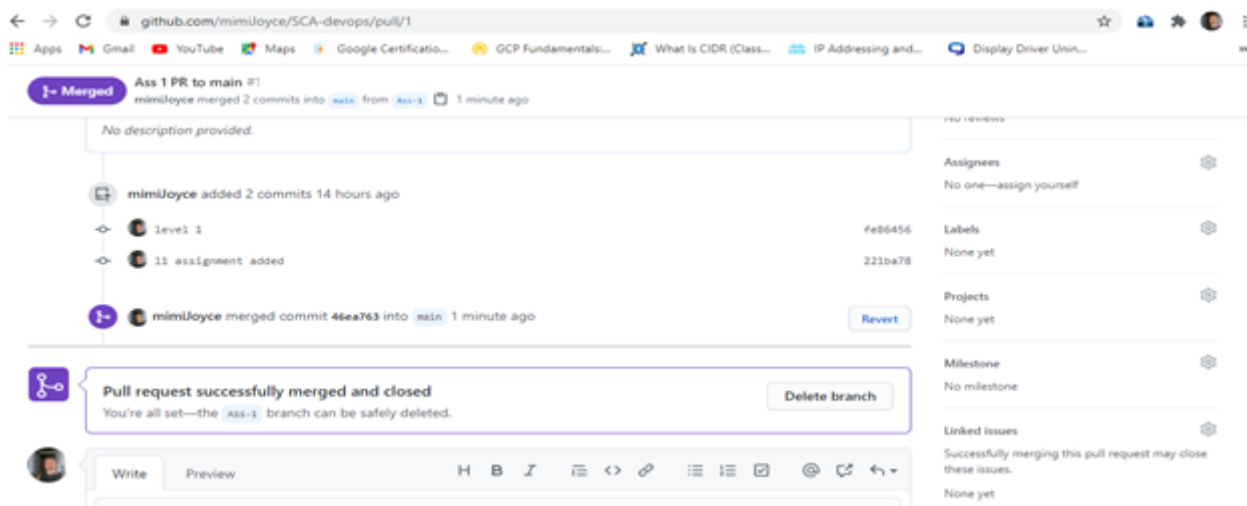
b). **click** confirm merge



c) Pull request successfully merged



d). you can delete Ass-1 branch, if you wont be needing it again.



3.2.12 On your local system (on the master branch), pull your upstream change so that your local master is same as its origin

1. type this command: `git fetch` to all branches on remote
2. `git checkout main` to checkout from Ass-1 to main branch
3. `git pull` to bring in all the changes on repo

```

MINGW64:/c/Users/hp/Desktop/repository/SCA-devops
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 14.82 KiB | 1.48 MiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'Ass-1' on GitHub by visiting:
remote:   https://github.com/mimiJoyce/SCA-devops/pull/new/Ass-1
remote:
To github.com:mimiJoyce/SCA-devops.git
 * [new branch]      Ass-1 -> Ass-1

JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (Ass-1)
$ git fetch
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), 632 bytes | 9.00 KiB/s, done.
From github.com:mimiJoyce/SCA-devops
 d915dd5..46ea763  main       -> origin/main

JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (Ass-1)
$ git checkout master
error: pathspec 'master' did not match any file(s) known to git

JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (Ass-1)
$ git checkout main
Switched to branch 'main'
Your branch is behind 'origin/main' by 3 commits, and can be fast-forwarded.
(use "git pull" to update your local branch)

JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (main)
$

```

```

MINGW64:/c/Users/hp/Desktop/repository/SCA-devops

JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (main)
$ git pudh
git: 'pudh' is not a git command. See 'git --help'.

The most similar command is
    push

JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (main)
$ git push
To github.com:mimiJoyce/SCA-devops.git
 ! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'github.com:mimiJoyce/SCA-devops.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (main)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 698 bytes | 3.00 KiB/s, done.
From github.com:mimiJoyce/SCA-devops
 46ea763..52a3770  main       -> origin/main
Merge made by the 'recursive' strategy.

JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (main)
$ |

```

3.2.13 Now create a new branch called "Ass-2". from master

a). use command: `git branch Ass-2` to create Ass-2 branch and `git branch` to see your branches and `git checkout Ass-2` to move into Ass-2 branch

```
MINGW64:/c/Users/hp/Desktop/repository/SCA-devops

JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (main)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 698 bytes | 3.00 KiB/s, done.
From github.com:mimiljoyce/SCA-devops
 46ea763..52a3770 main    -> origin/main
Merge made by the 'recursive' strategy.

JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (main)
$ git branch
  Ass-1
* main

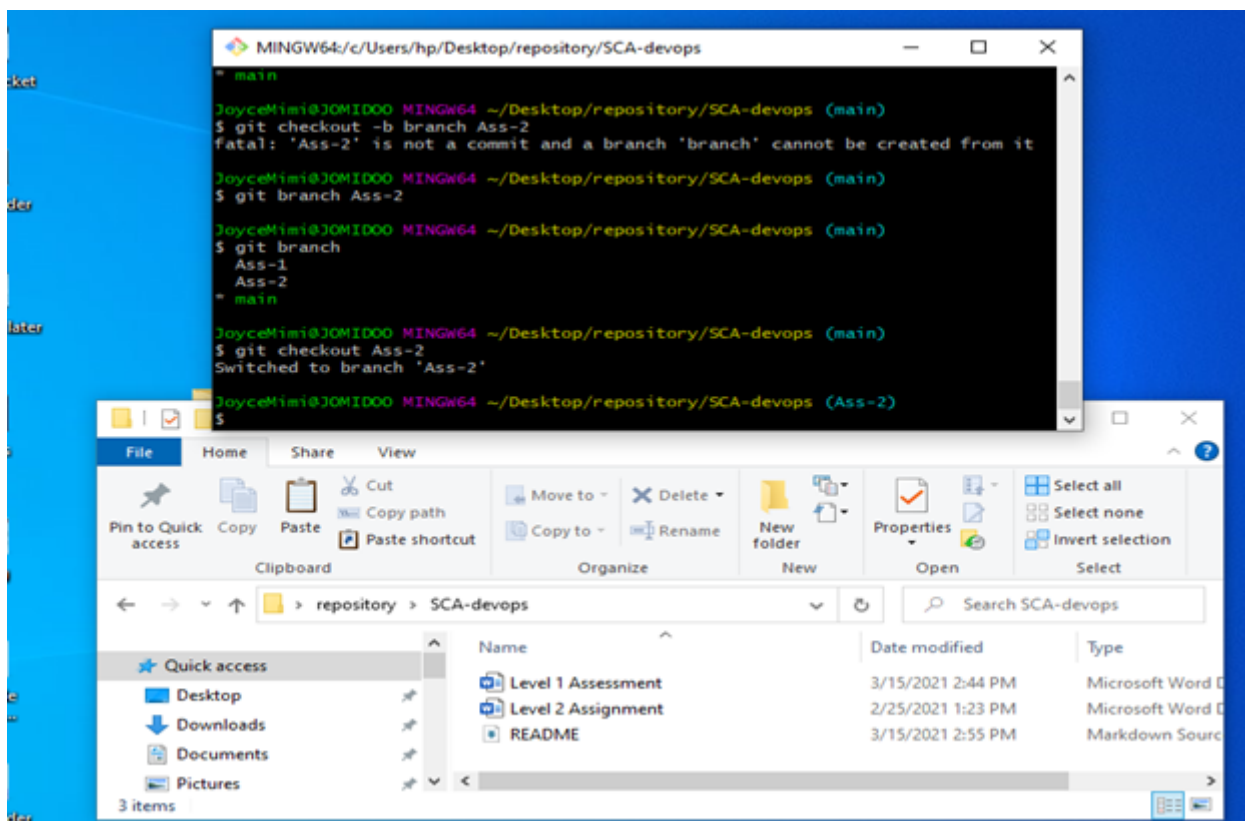
JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (main)
$ git checkout -b branch Ass-2
fatal: 'Ass-2' is not a commit and a branch 'branch' cannot be created from it

JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (main)
$ git branch Ass-2

JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (main)
$ git branch
  Ass-1
  Ass-2
* main

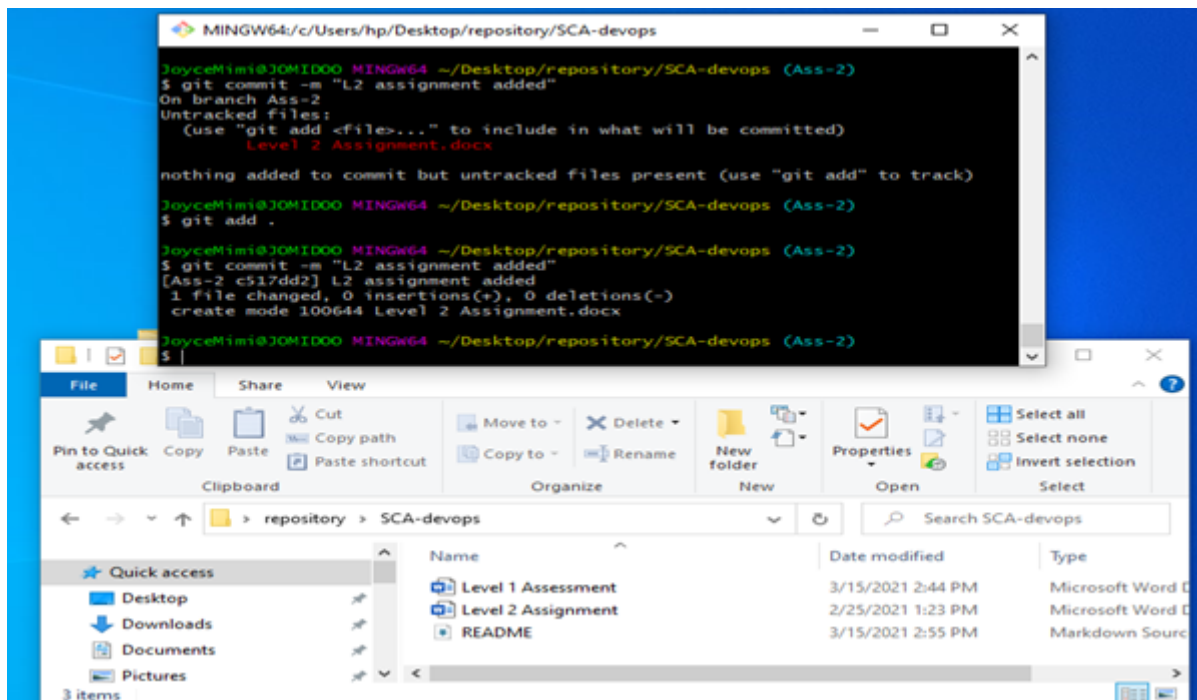
JoyceMimi@JOMIDOO MINGW64 ~/Desktop/repository/SCA-devops (main)
$
```

3.2.14 In your new branch, add the solution to your Assignment in L2

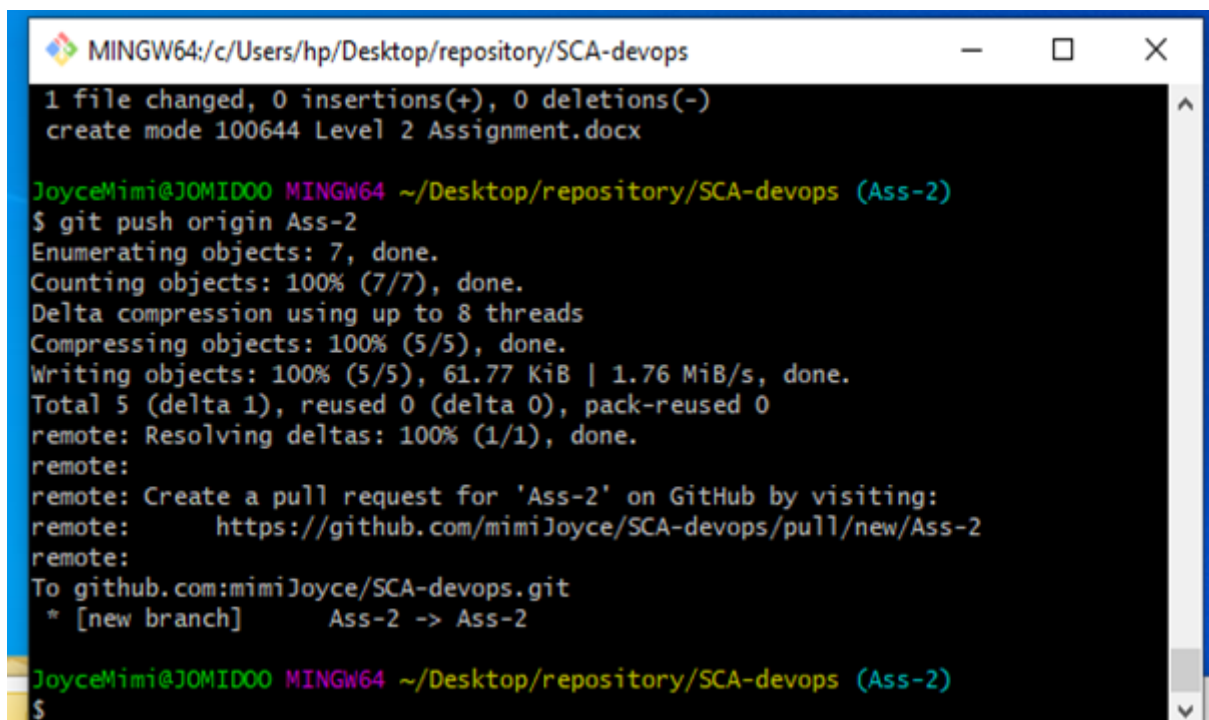


3.2.15 Commit your local changes and push to your upstream repository

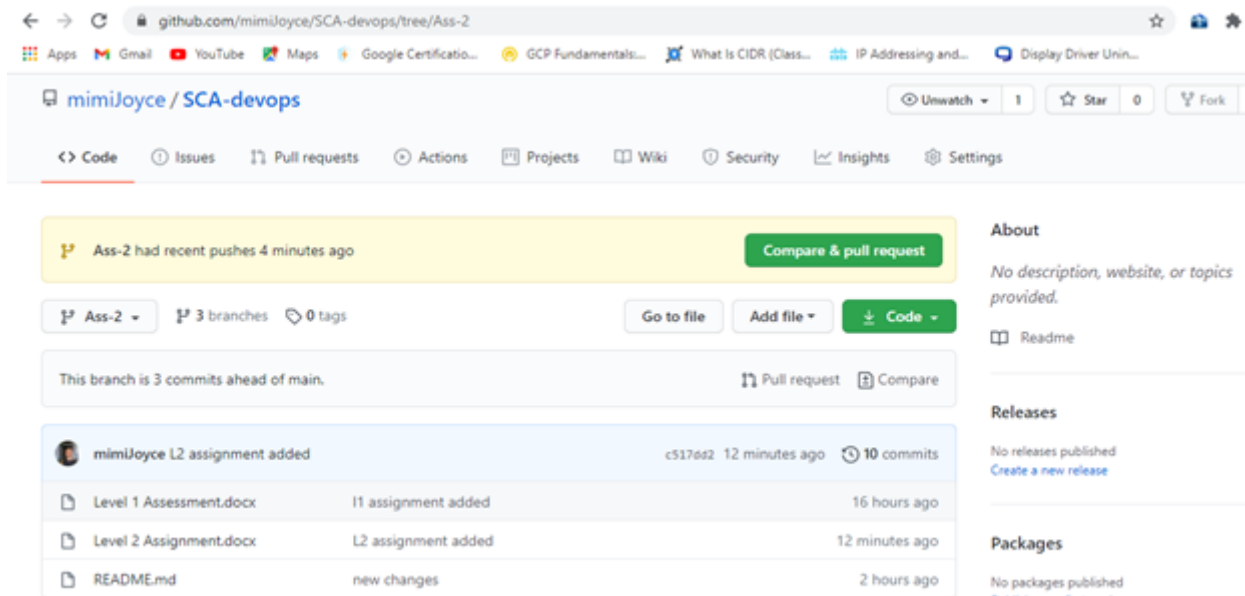
a). Commit your local changes



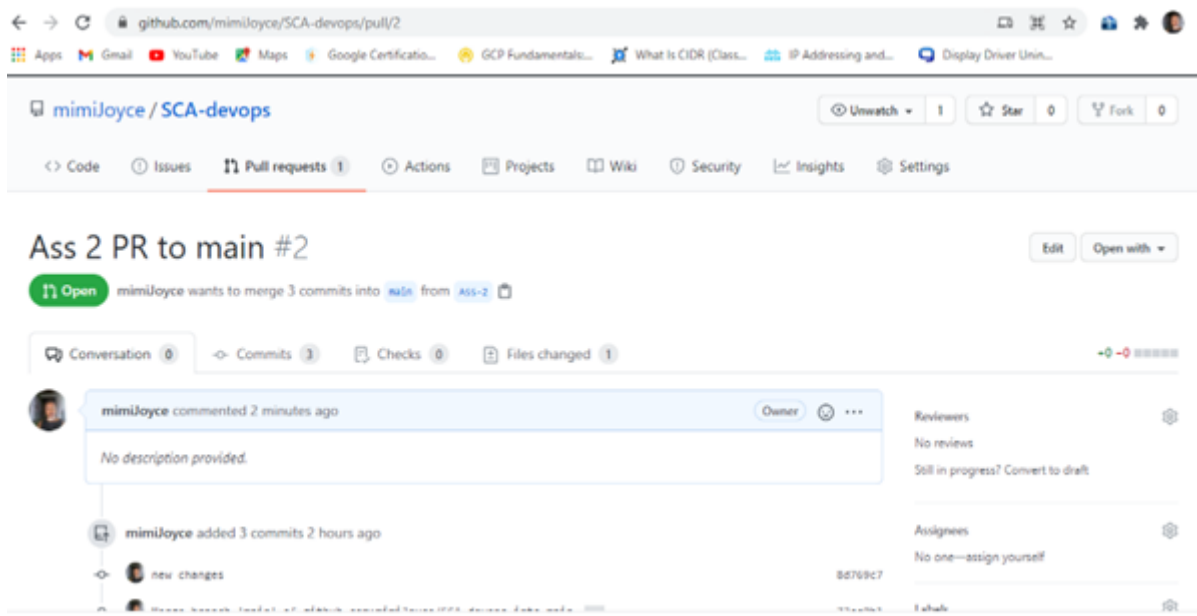
b). push your Commit to your upstream repo



c). Check your GitHub



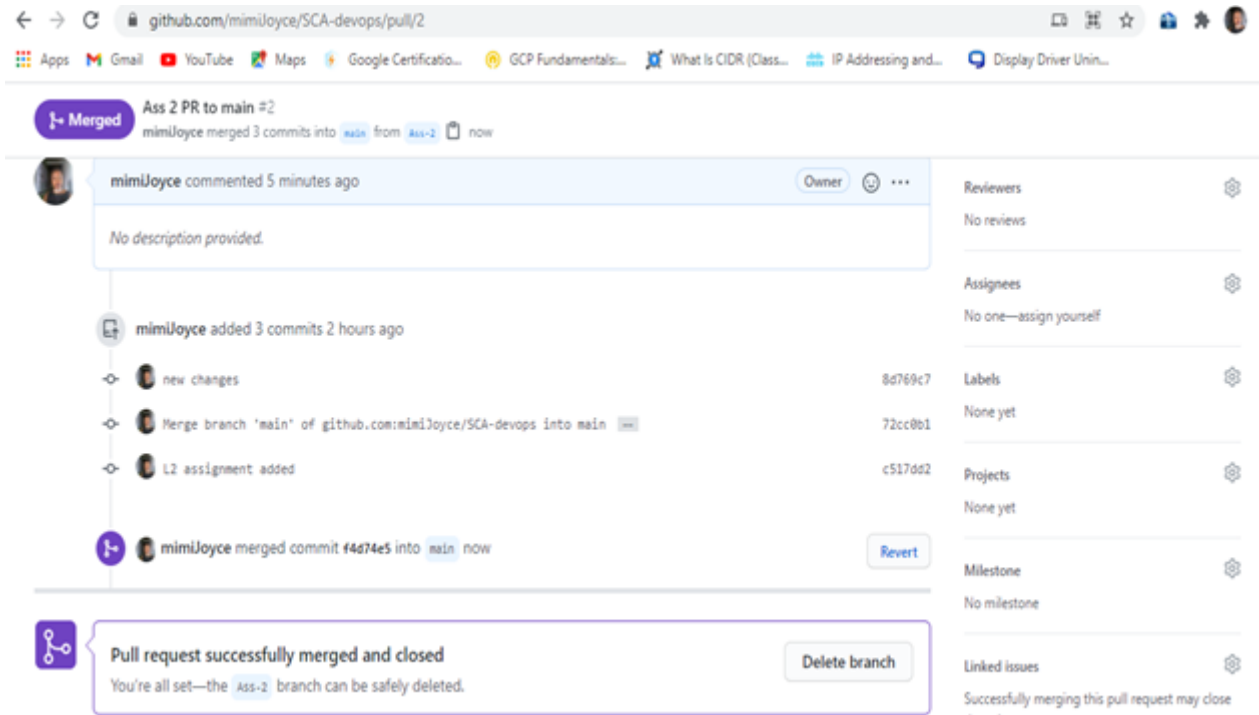
3.2.16 Create a Pull Request (PR) from Ass-2 branch to your Master or Main branch



3.2.17 Copy the link of your PR and save it somewhere

<https://github.com/mimiJoyce/SCA-devops/pull/2>

3.2.18 Merge your PR to master



3.2.19 Submit your GitHub repo URL

`https://github.com/mimiJoyce/SCA-devops`

3.2.20 Submit the links to your 2 PR created

`https://github.com/mimiJoyce/SCA-devops/pull/2`

`https://github.com/mimiJoyce/SCA-devops/pull/1`

`https://github.com/mimiJoyce/SCA-devops/pulls`

compiled by:

compiled by joyceMimi