TUTORIAL 1 : SETTING UP THE REPOSITORY

This tutorial will take you through setting up the design repository for your project work. Design repository (or repo) is a part of any software or hardware design company which keeps the records of different versions of your design. These versions can be accessed later when needed.

1   CONTENTS

1.1   FAMILIARIZING WITH GITHUB

Github.com is an online hosting platform which can be used free of charge (maximum three users for the basic version). It lets you and your team work collaboratively from any where in the world. This part of the tutorial is based on https://guides.github.com/activities/hello-world/ . Please go though the complete tutorial, if needed better explanations in some parts and for step by step guidelines.

- Step 1 : Create your github account
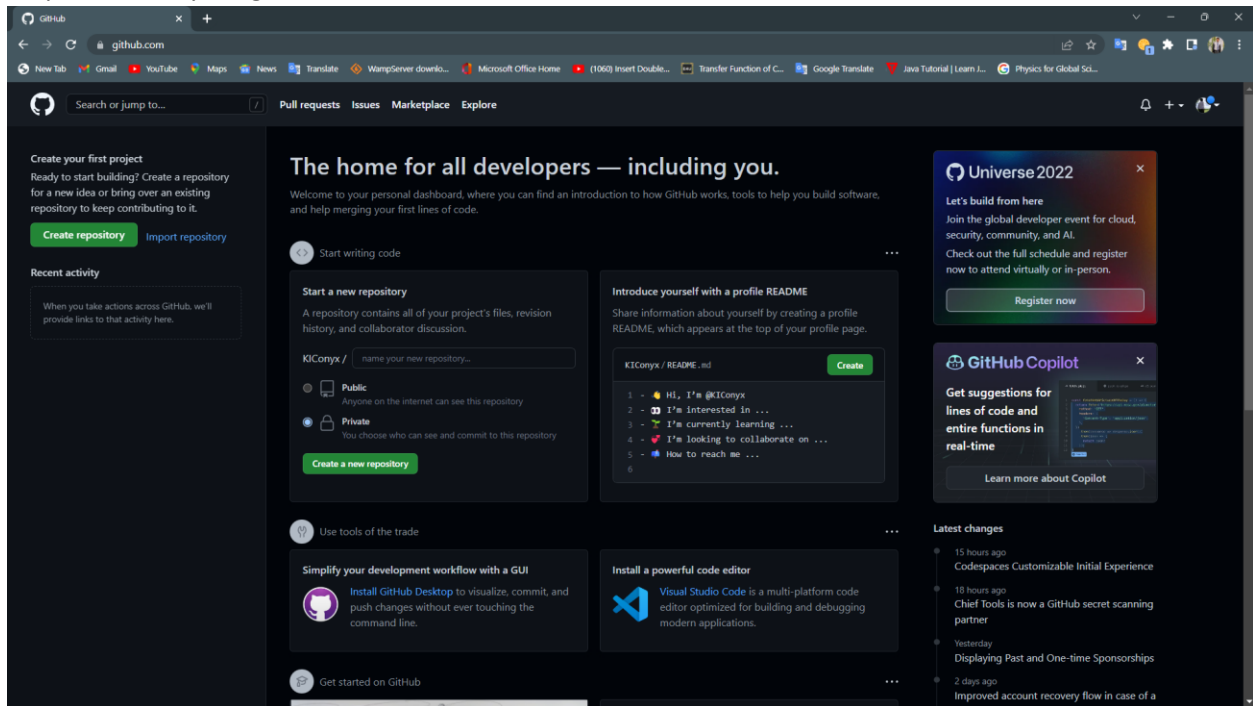
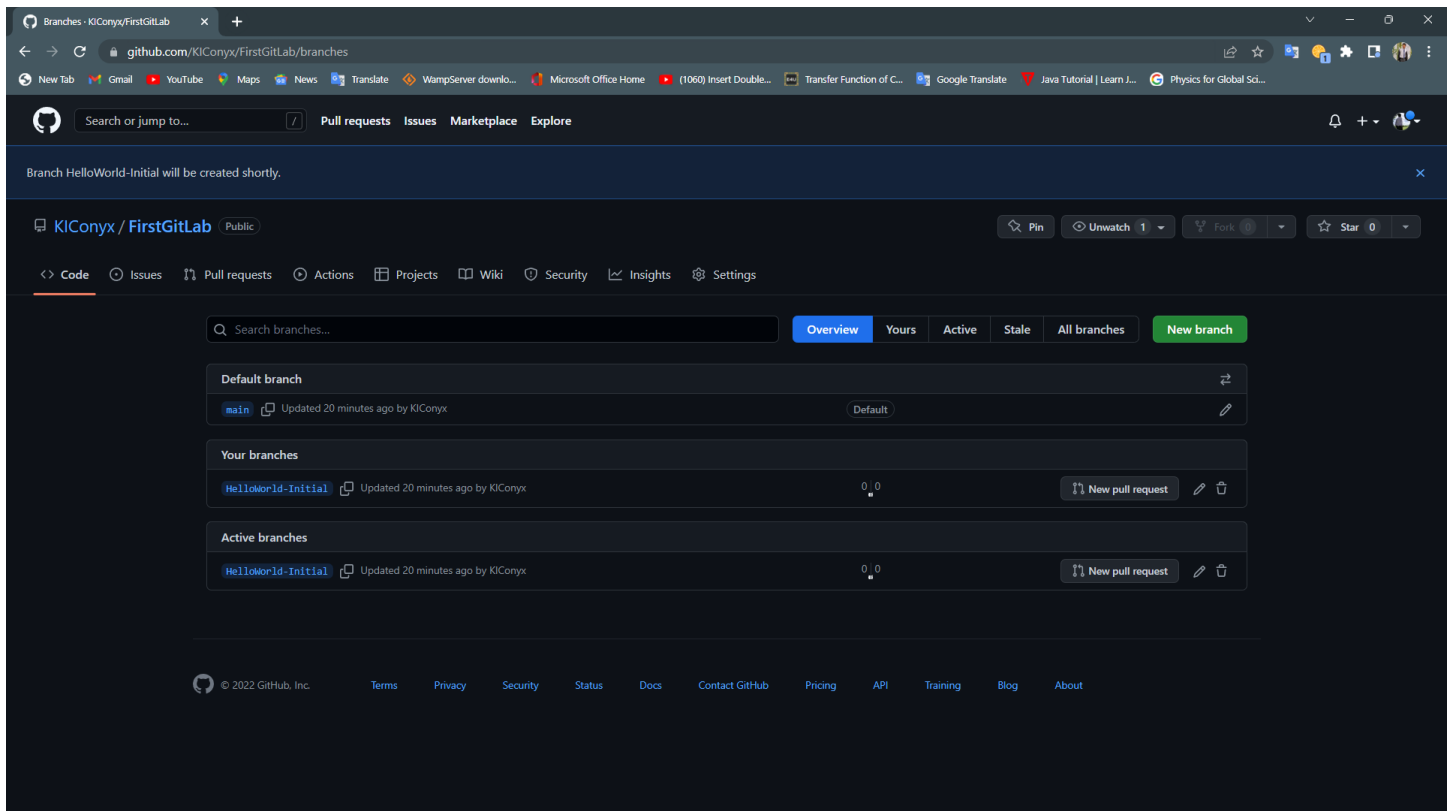- Step 2 : Create a repository
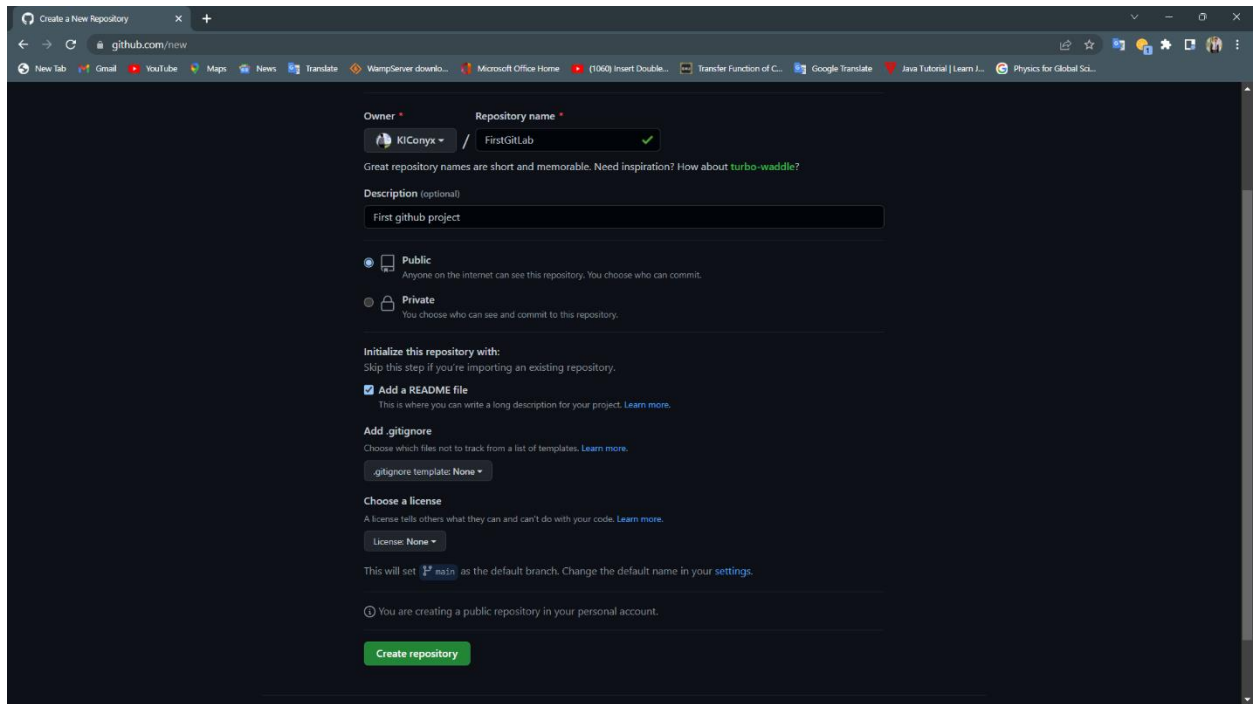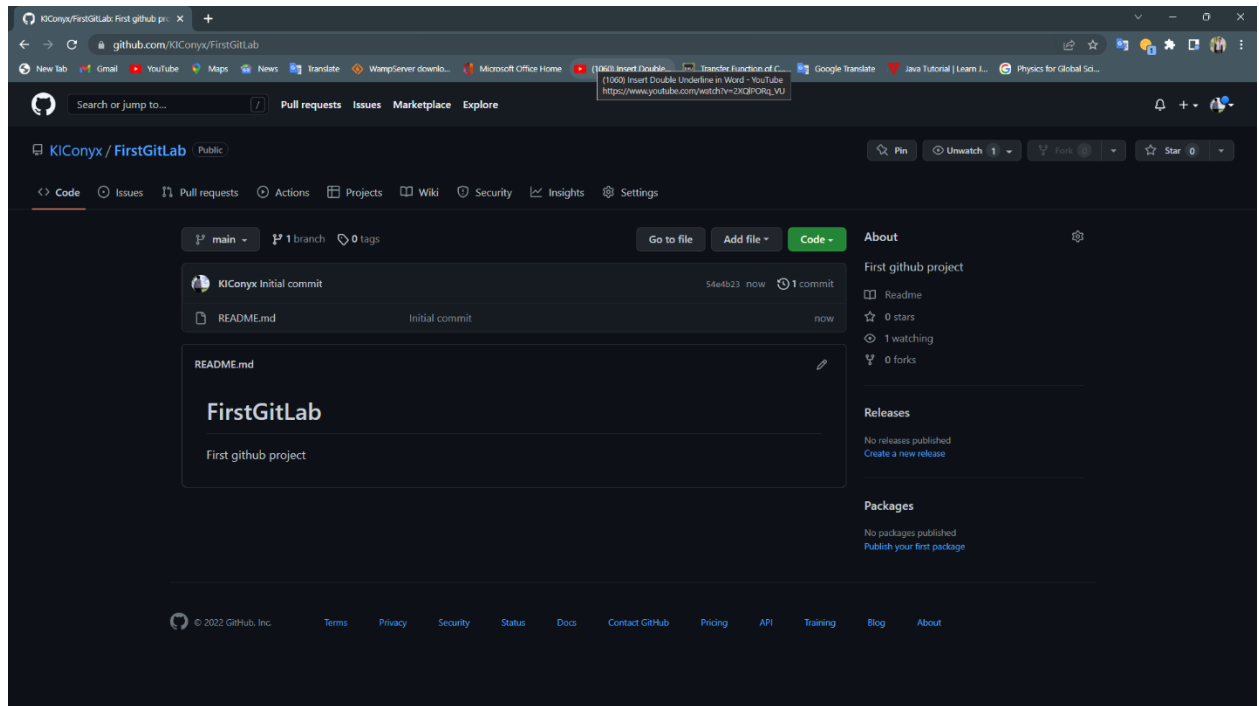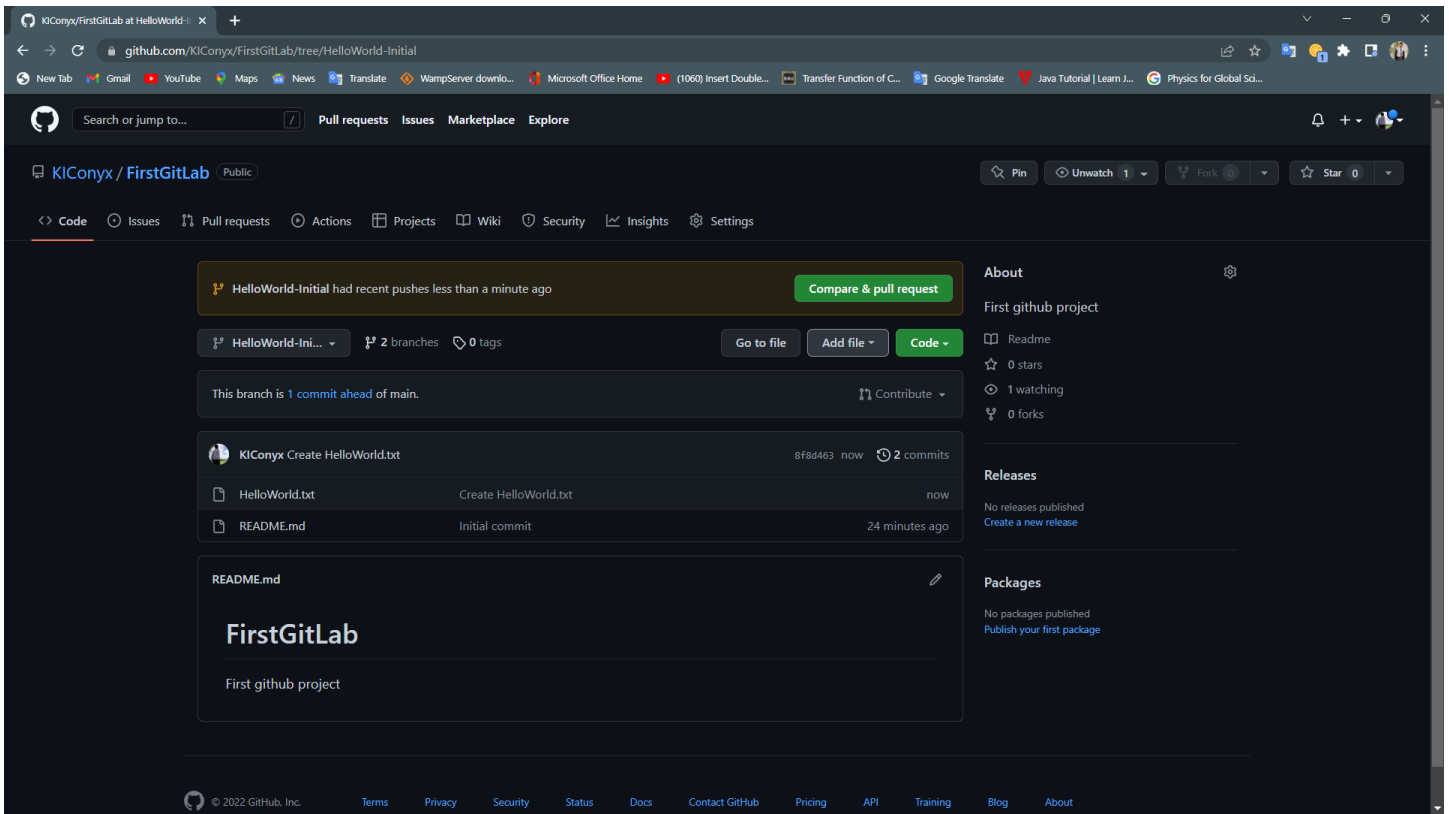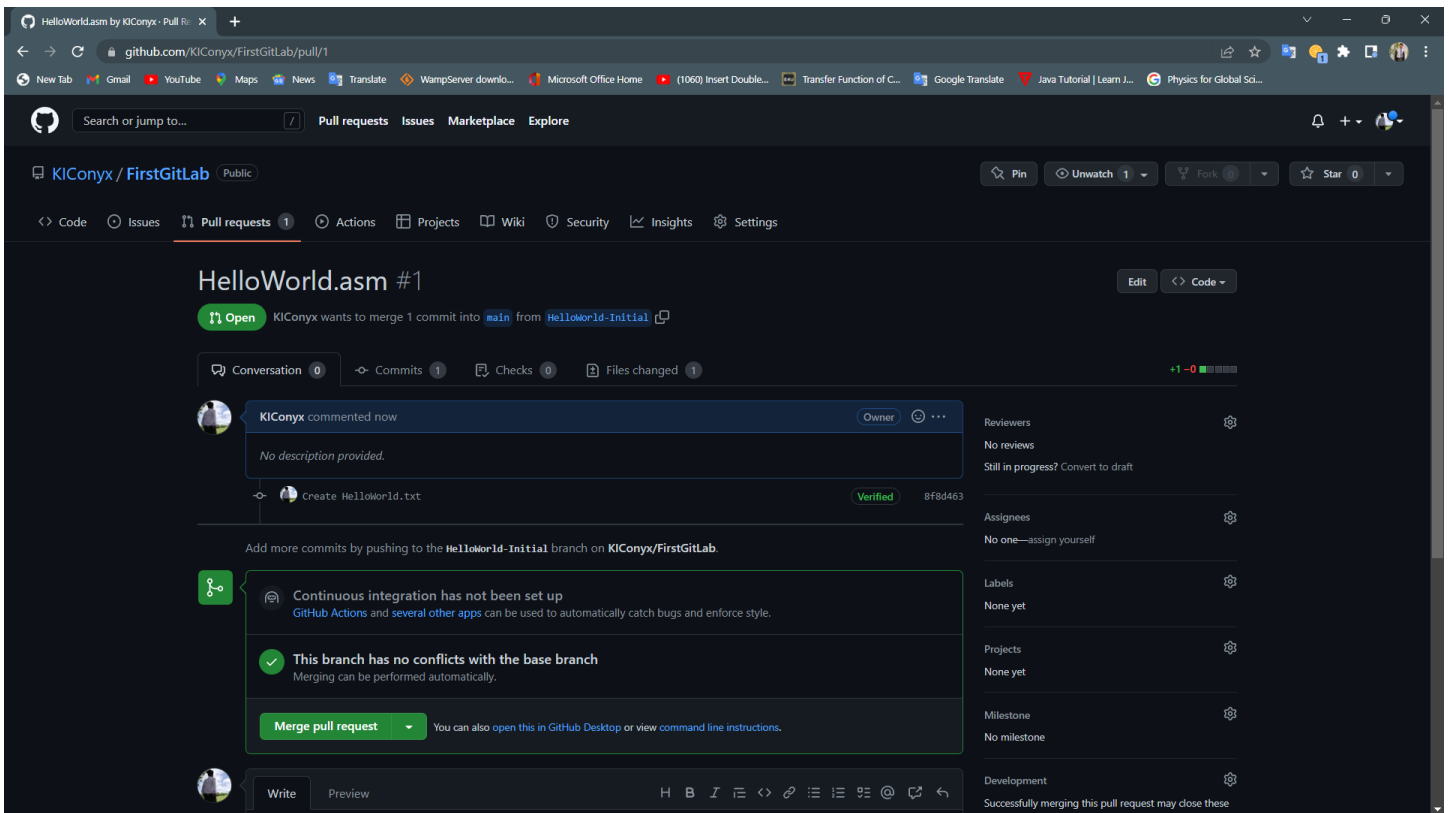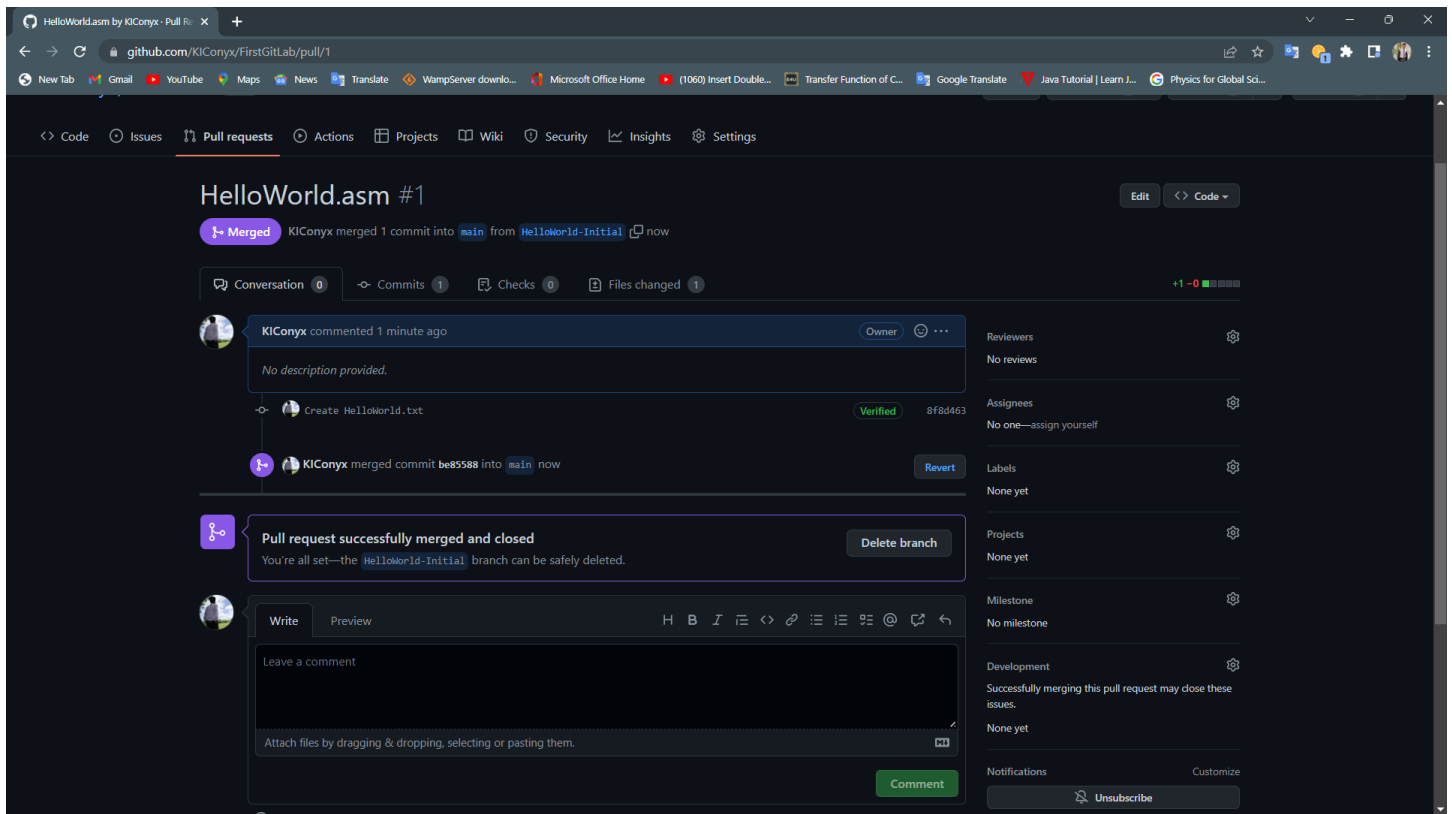
- Step 3: Branching

- Step 4: Commit changes
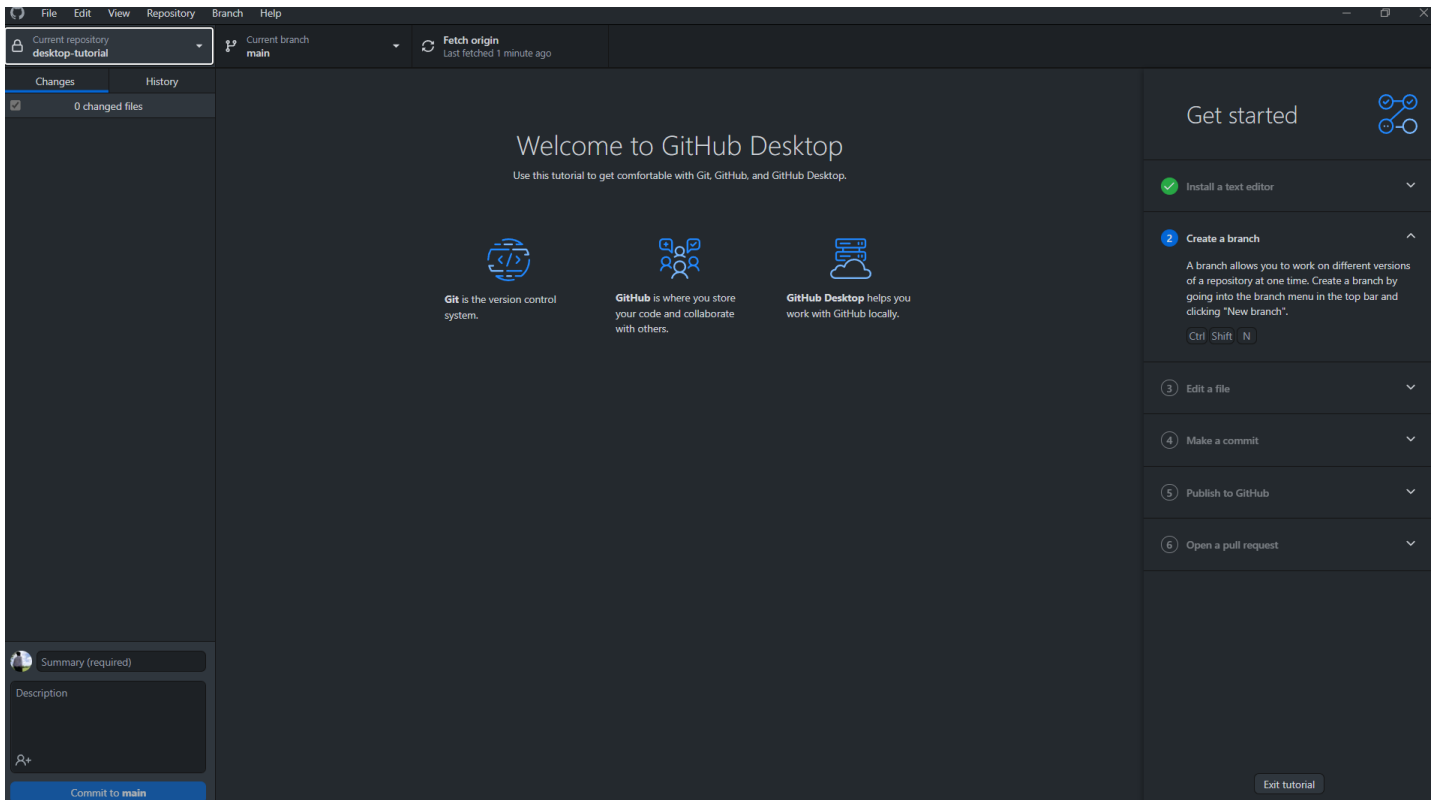

- Step 5: Open a pull request
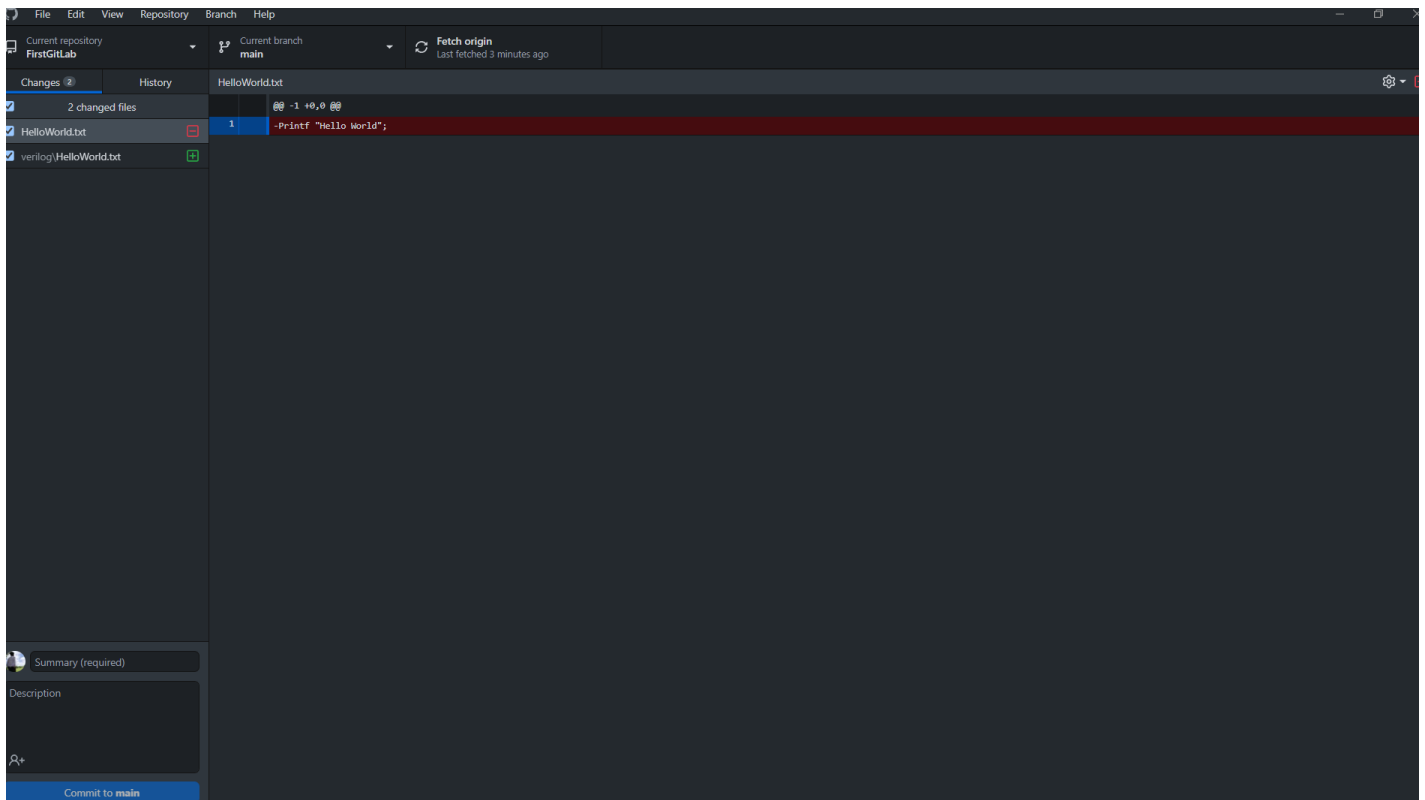
- Step 6: Merge the pull request
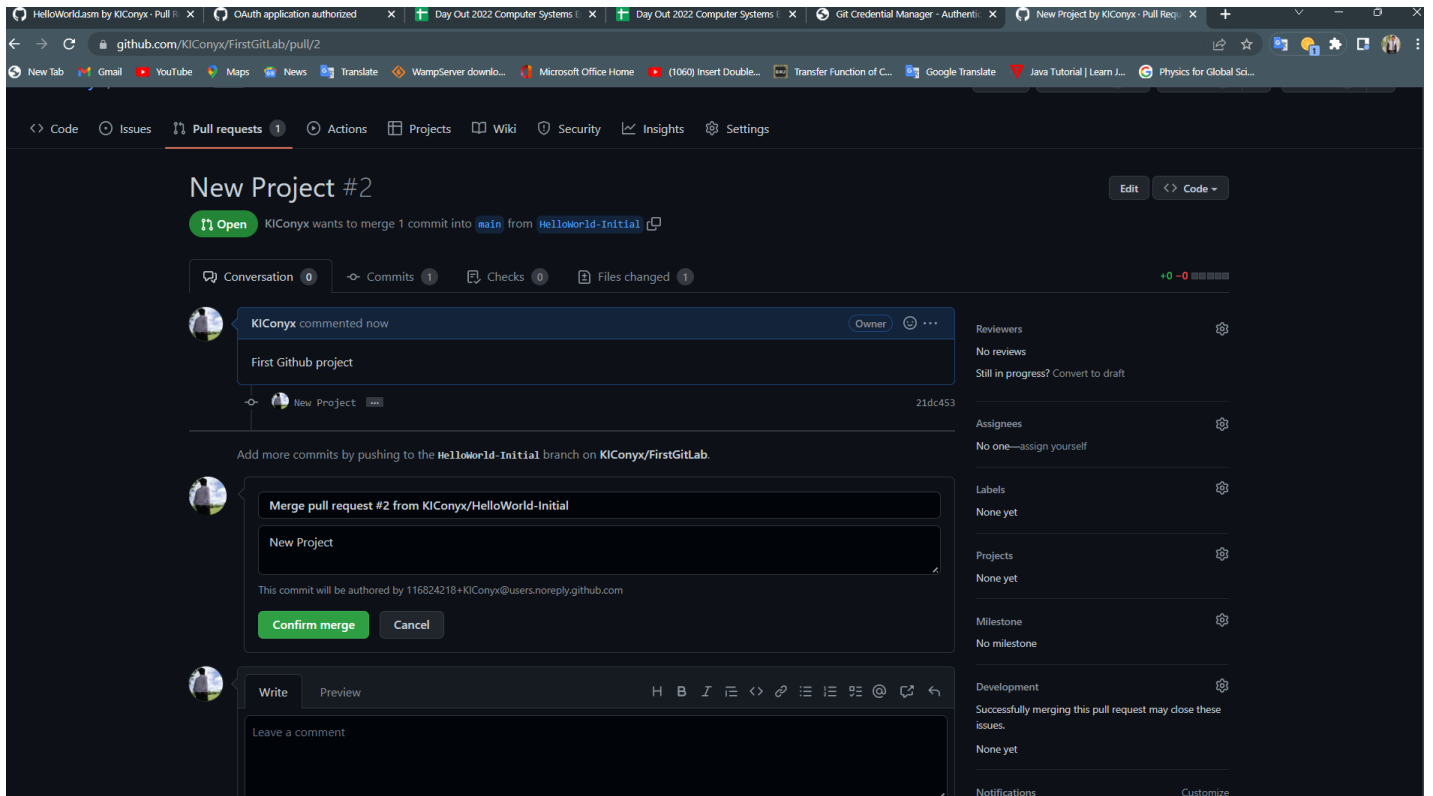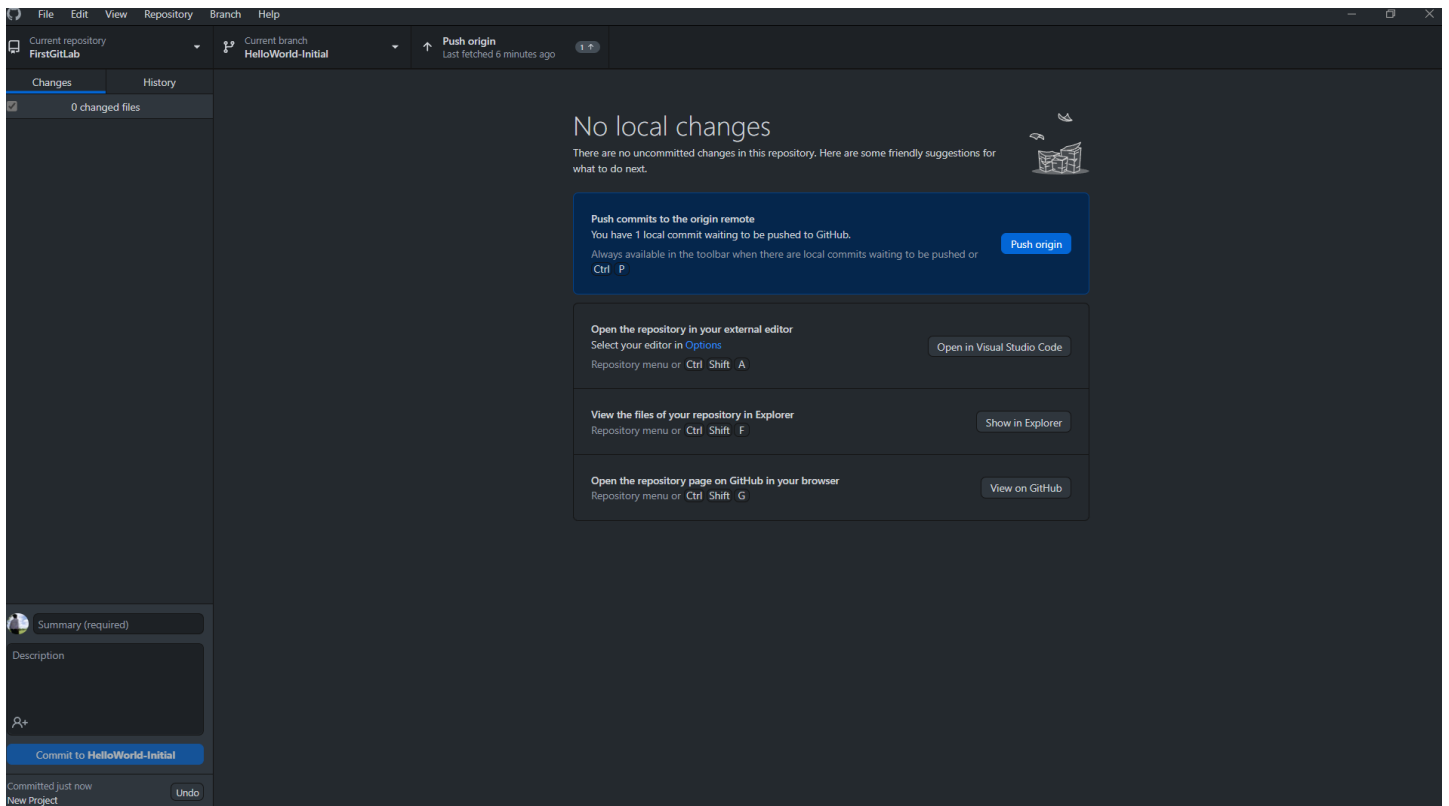

1.2 GITHUB GUI

You can manage your codes locally with the help of command line arguments or with the Github GUI. Following instructions are to setup the Github GUI in your computer.
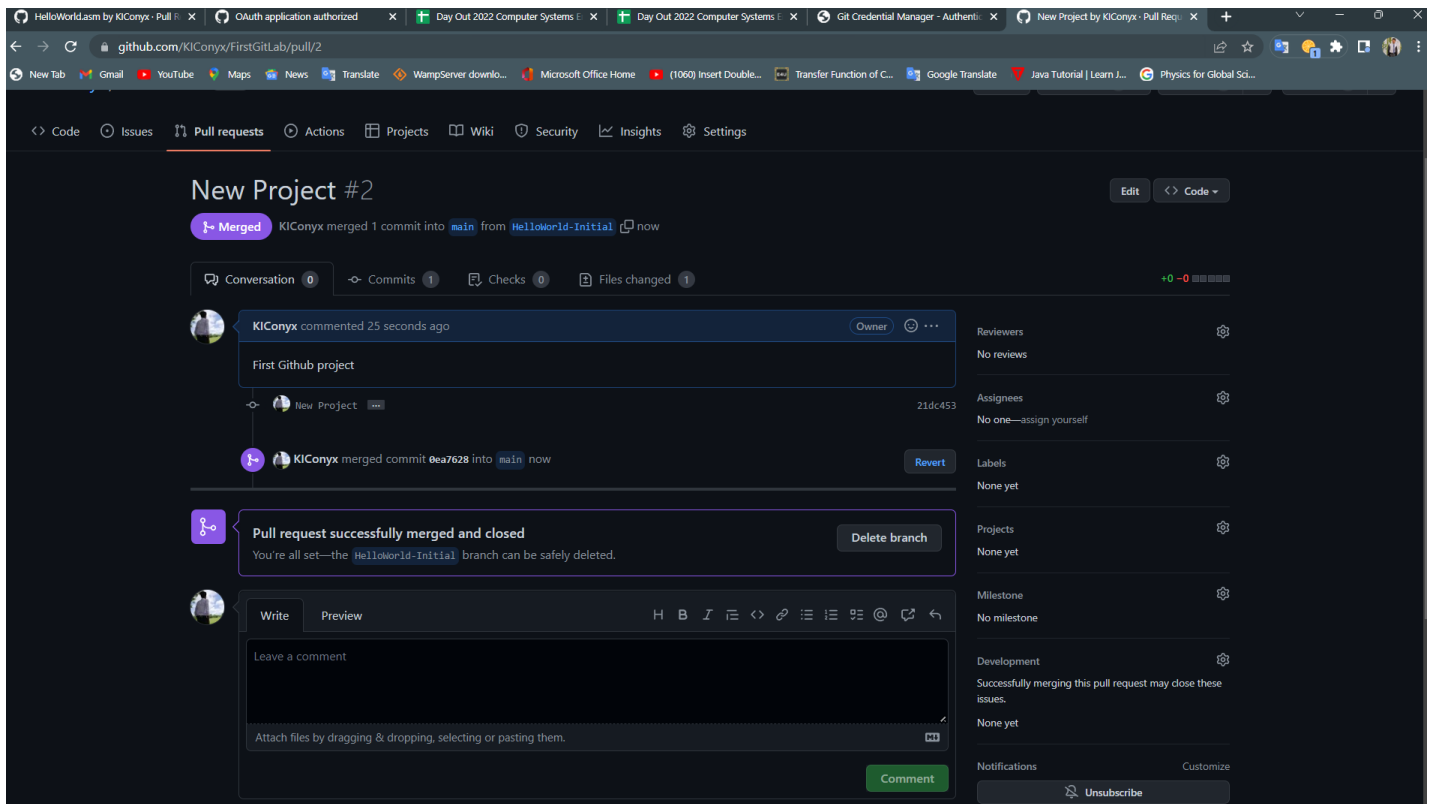
- Step 1 : Installing Github desktop
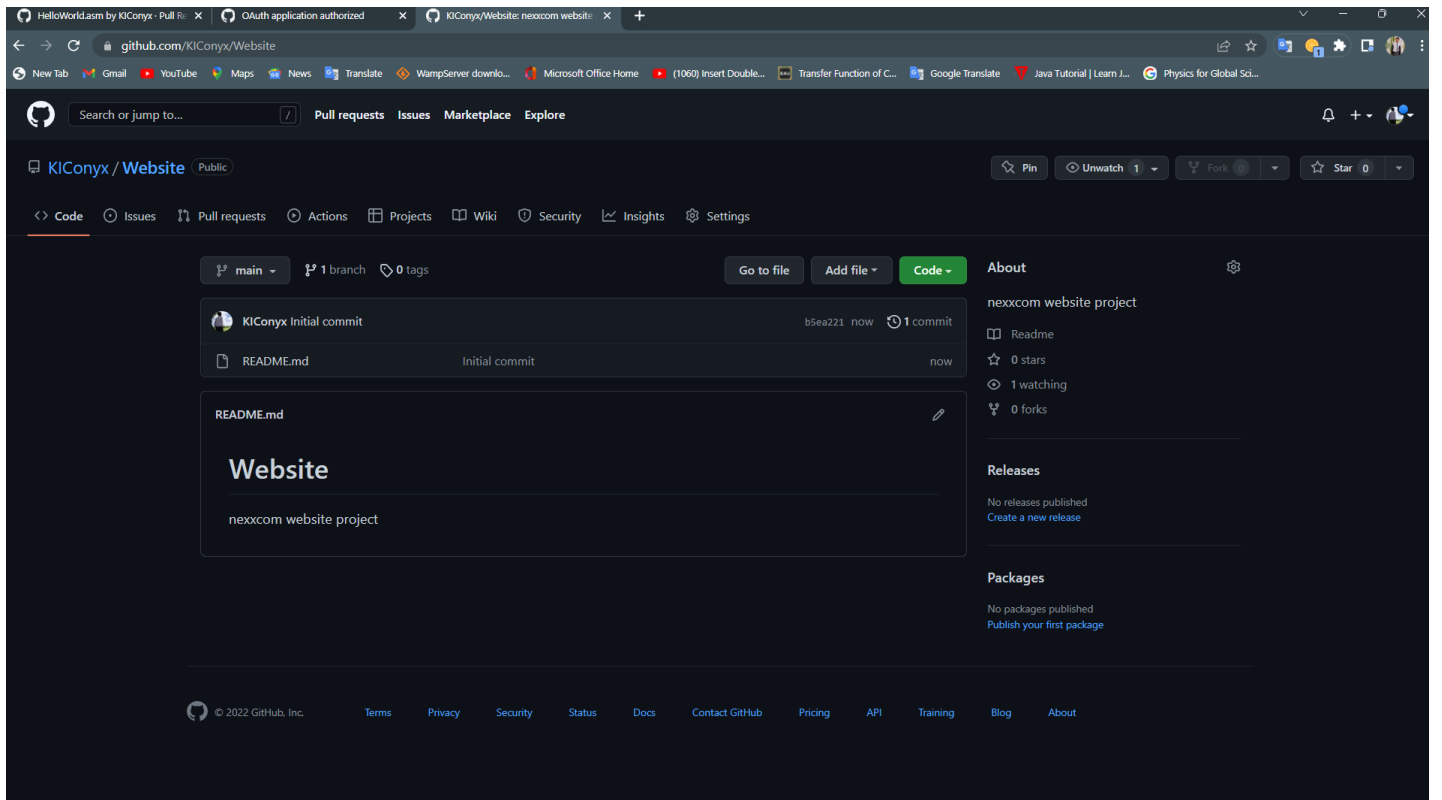
- Step 2 : Managing the repository

Current repository
FirstGitLab

Current branch
HelloWorld-Initial

Push origin
Last fetched 6 minutes ago   1 ↑

Changes   History

0 changed files

No local changes

There are no uncommitted changes in this repository. Here are some friendly suggestions for what to do next.

Push commits to the origin remote
You have 1 local commit waiting to be pushed to GitHub.
Always available in the toolbar when there are local commits waiting to be pushed or
Ctrl P

Push origin

Open the repository in your external editor
Select your editor in Options
Repository menu or Ctrl Shift A

Open in Visual Studio Code

View the files of your repository in Explorer
Repository menu or Ctrl Shift F

Show in Explorer

Open the repository page on GitHub in your browser
Repository menu or Ctrl Shift G

View on GitHub

Summary (required)

Description

Commit to **HelloWorld-Initial**

Committed just now   Undo
New Project

---

github.com/KIConyx/FirstGitLab/pull/2

New Tab   Gmail   YouTube   Maps   News   Translate   WampServer downlo...   Microsoft Office Home   (1060) Insert Double...   Transfer Function of C...   Google Translate   Java Tutorial | Learn J...   Physics for Global Sci...

<> Code   ⊙ Issues   ⑂ Pull requests 1   ⊙ Actions   ⊞ Projects   ▢ Wiki   ⊙ Security   Insights   Settings

New Project #2

Edit   <> Code ▾

⑂ Open KIConyx wants to merge 1 commit into `main` from `HelloWorld-Initial`

⬚ Conversation 0   -○- Commits 1   ⊟ Checks 0   ⊞ Files changed 1

+0 −0

KIConyx commented now   Owner ☺ ⋯

First Github project

-○- ⊙ New Project ⋯   21dc453

Add more commits by pushing to the `HelloWorld-Initial` branch on `KIConyx/FirstGitLab`.

Merge pull request #2 from KIConyx/HelloWorld-Initial

New Project

This commit will be authored by 116824218+KIConyx@users.noreply.github.com

Confirm merge   Cancel

Write   Preview   H B I ⌸ <> 🔗 ⊟ ⊟ ⊟ @ ⎋ ↩

Leave a comment

Reviewers   ⚙
No reviews
Still in progress? Convert to draft

Assignees   ⚙
No one—assign yourself

Labels   ⚙
None yet

Projects   ⚙
None yet

Milestone   ⚙
No milestone

Development   ⚙
Successfully merging this pull request may close these issues.
None yet

Notifications   Customize
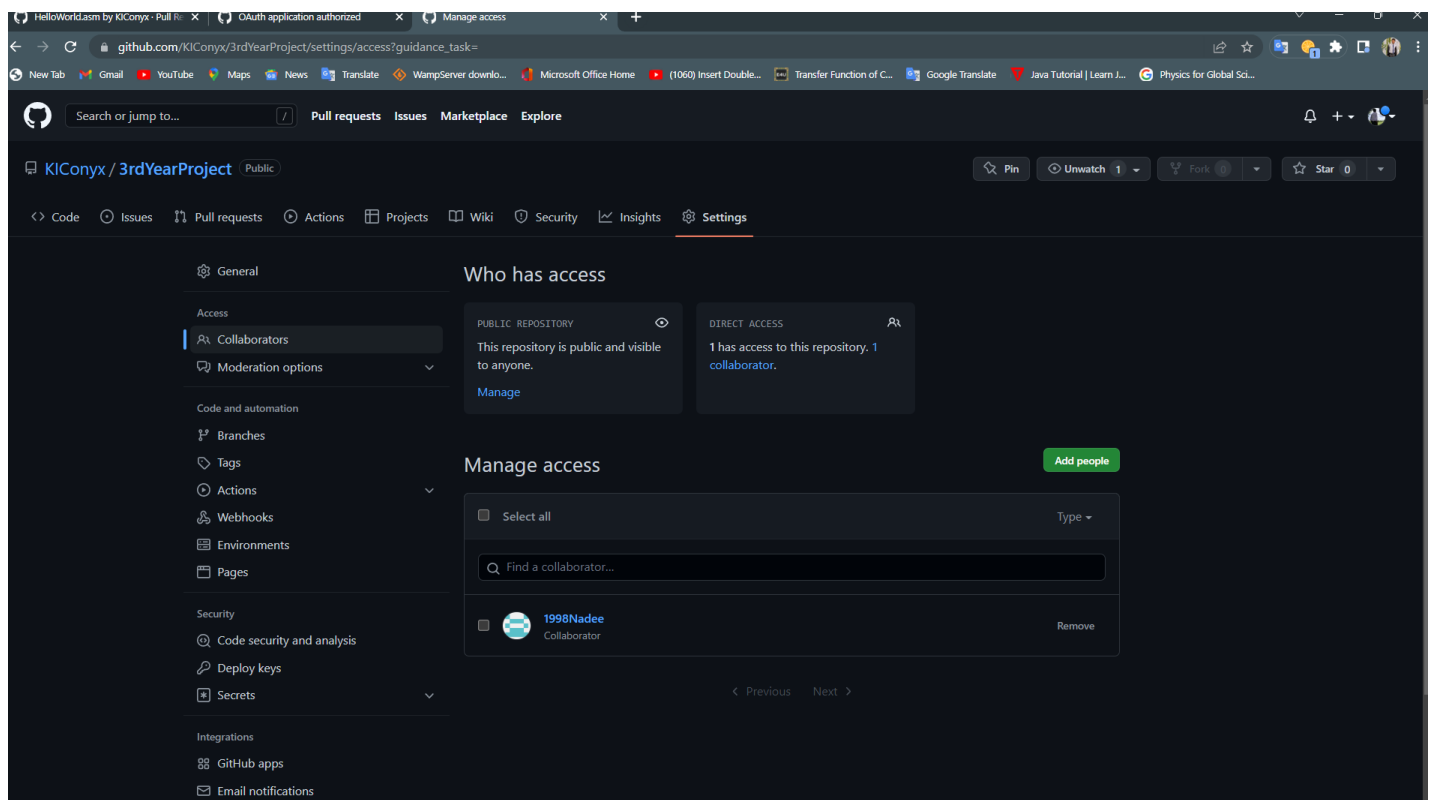
1.3 COLLABORATION

Main advantage of Git repo is the possibility of working simultaneously on different parts of a project. Follow the steps to create your own repo to be shared between team members.
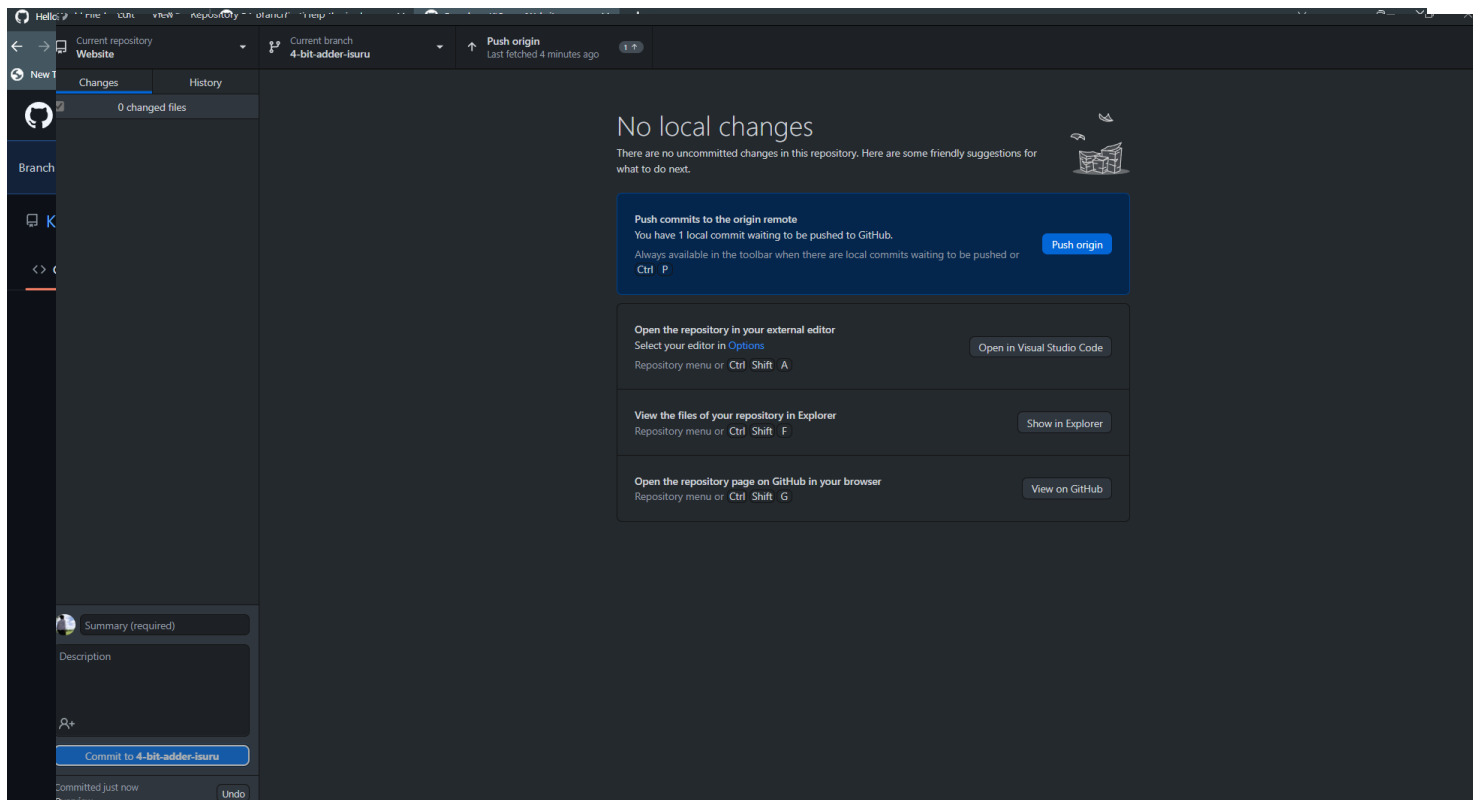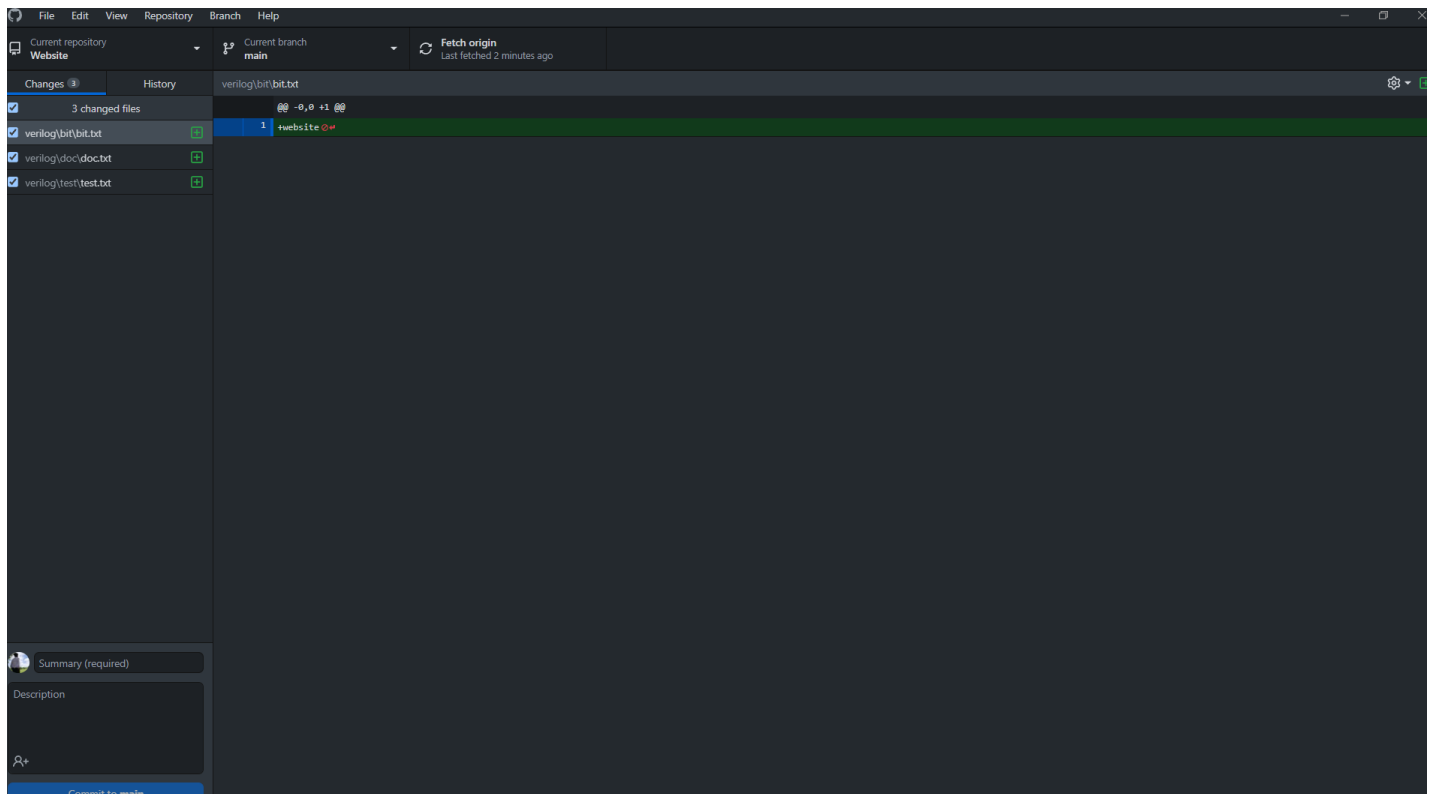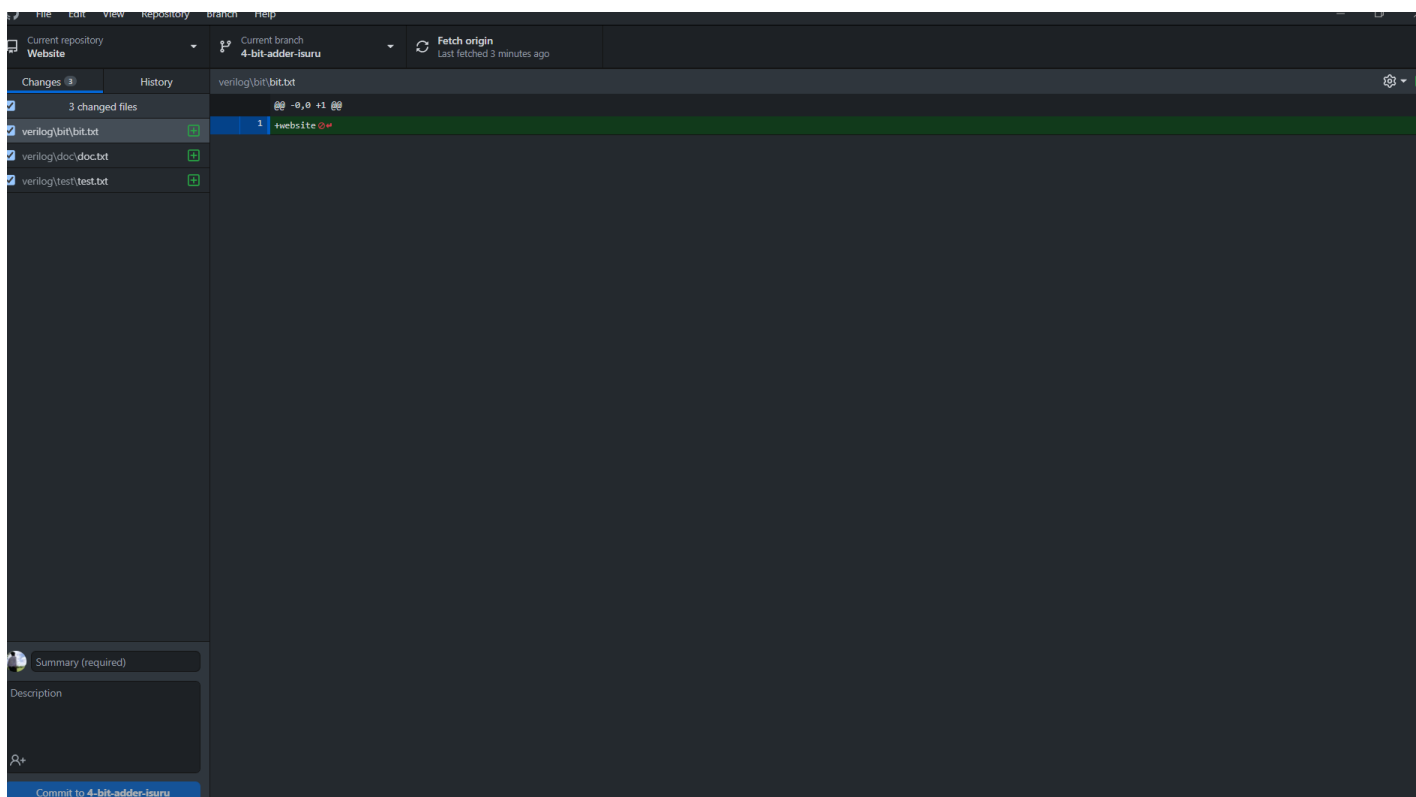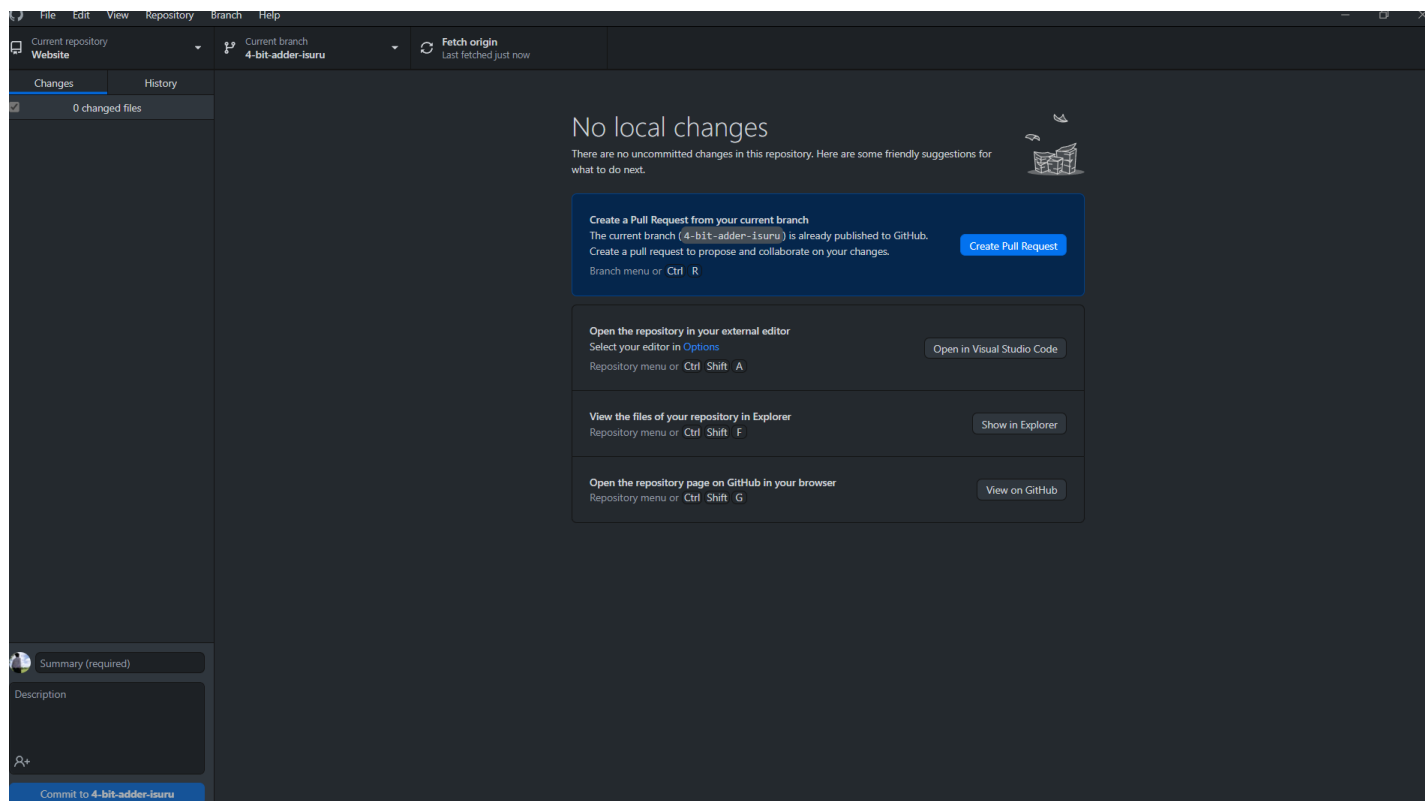
- Step 1: Creation of new repository

- Step 2: Collaboration

- Step 3: Project setup

- Step 4:

Code   Issues   Pull requests   Actions   Projects   Wiki   Security   Insights   Settings

Overview #1

Edit   Code

Merged   KIConyx merged 1 commit into main from 4-bit-adder-isuru now

Conversation 0   Commits 1   Checks 0   Files changed 3

+3 −0

KIConyx commented 20 seconds ago   Owner

home page

Overview   84194d6

KIConyx merged commit 5a4be6d into main now   Revert

Pull request successfully merged and closed   Delete branch

You're all set—the 4-bit-adder-isuru branch can be safely deleted.

Write   Preview   H B I <> ⌁ ≡ ≡ ≣ @ ⎘ ↶

Leave a comment

Attach files by dragging & dropping, selecting or pasting them.

Comment

Reviewers
No reviews

Assignees
No one—assign yourself

Labels
None yet

Projects
None yet

Milestone
No milestone

Development
Successfully merging this pull request may close these issues.

None yet

Notifications   Customize
Unsubscribe

Search or jump to...   Pull requests   Issues   Marketplace   Explore

KIConyx / Website   Public

Pin   Unwatch 1   Fork 0   Star 0

Code   Issues   Pull requests   Actions   Projects   Wiki   Security   Insights   Settings

main   3 branches   0 tags   Go to file   Add file   Code

KIConyx Merge pull request #1 from KIConyx/4-bit-adder-isuru ...   5a4be6d   17 seconds ago   3 commits

verilog   Overview   1 minute ago
README.md   Initial commit   6 minutes ago

README.md

Website

nexxcom website project

About
nexxcom website project

Readme
0 stars
1 watching
0 forks

Releases
No releases published
Create a new release

Packages
No packages published
Publish your first package

1.4 TASKS

1. Add "ishara0925" as a collaborator to your CLEAN project repository. This repository is the one you are going to use for your project.
2. Add screen shots of the repository folder structure to your project presentation. Project presentation should be present inside the presentation folder in your project folder.
3. Add a short description of your project under the repository description.
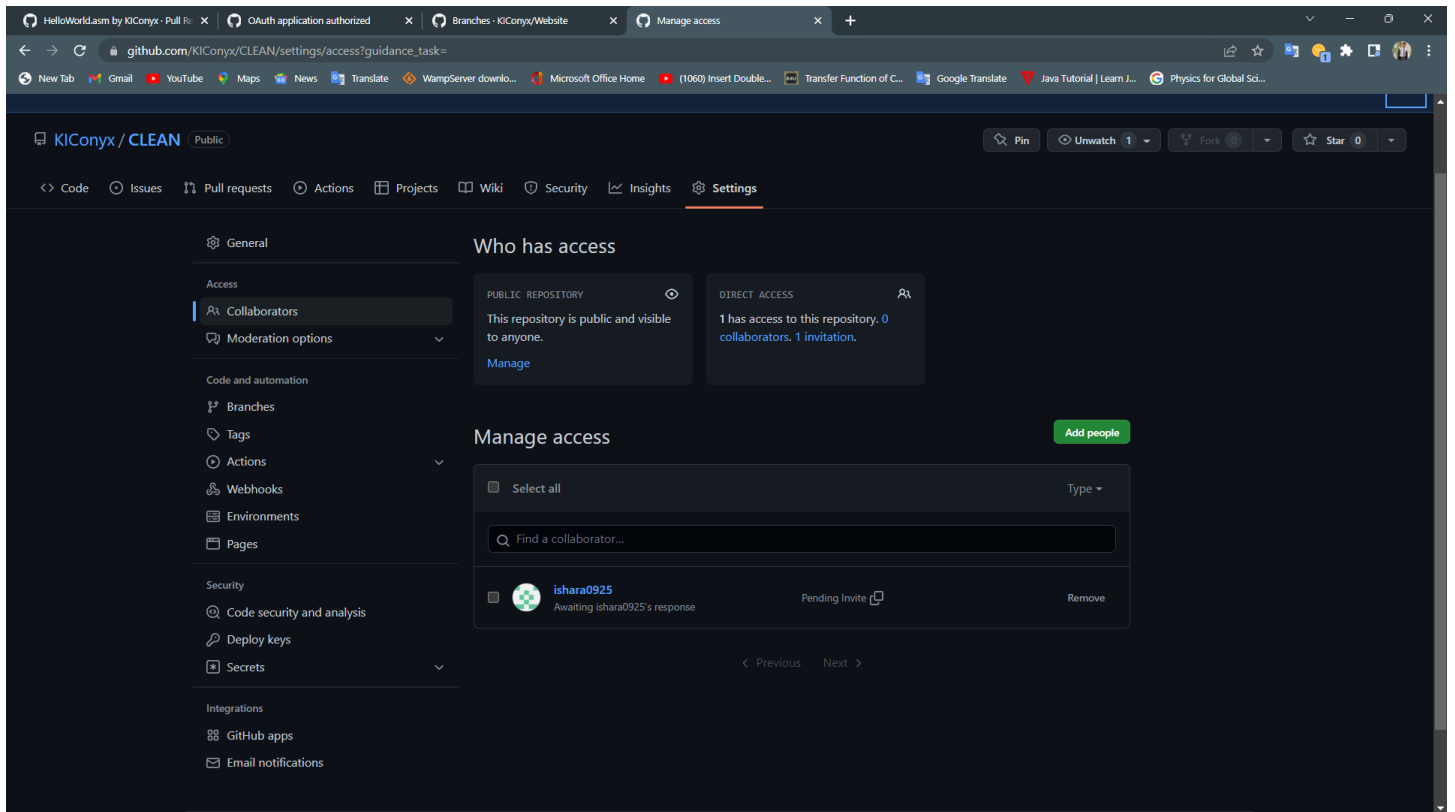
Current repository
CLEAN

Current branch
main

Fetching origin
Hang on...

Changes   History

☑   0 changed files

No local changes

There are no uncommitted changes in this repository. Here are some friendly suggestions for
what to do next.

Open the repository in your external editor
Select your editor in Options
Repository menu or Ctrl Shift A

Open in Visual Studio Code

View the files of your repository in Explorer
Repository menu or Ctrl Shift F

Show in Explorer

Open the repository page on GitHub in your browser
Repository menu or Ctrl Shift G

View on GitHub

Summary (required)

Description

A+

Commit to **main**