

# FATIMA JINNAH WOMEN UNIVERSITY

*Department of Software Engineering*



---

## ASSIGNMENT#01

*Report*

**SUBJECT: CLOUD COMPUTING**

**SUBMITTED TO: SIR WAQAS SALEEM**

**SUBMITTED BY: UMBER QASIM**

**REGISTRATION NO: 2023-BSE-066**

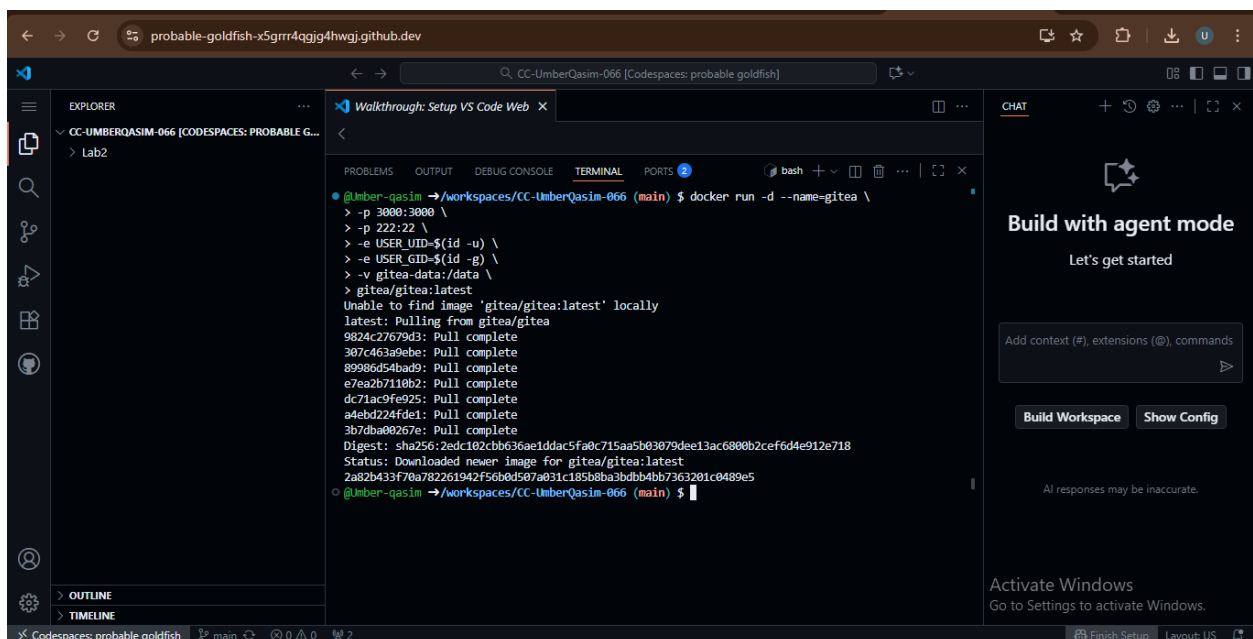
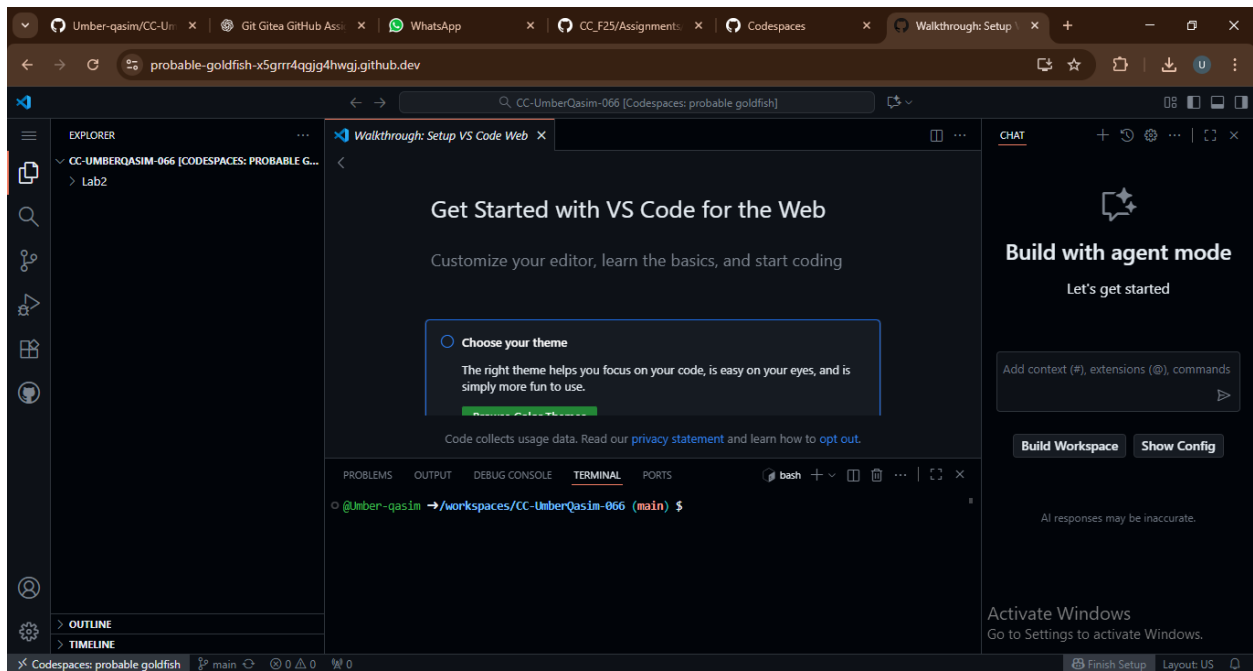
**CLASS: BSSE V-B**

## Task#01:

Run Gitea in Codespace and Create an Initial Repo.

## Answer:

### 1. Set up Gitea:



## 2. Create a Repository:

probable-goldfish-x5grr4qgig4hwgj-3000.app.github.dev/Umber-qasim/Assignment01

Issues Pull Requests Milestones Explore

Umber-qasim / Assignment01

<> Code Issues Packages Projects Wiki Settings

Quick Guide

Clone this repository Need help cloning? Visit [Help](#).

New File Upload File HTTPS SSH <https://probable-goldfish-x5grr4qgig4hwgj-3000.app.github.dev/Umber-qasim/Assignment01.git>

Creating a new repository on the command line

```
touch README.md
git init
git checkout -b main
git add README.md
git commit -m "first commit"
git remote add origin https://probable-goldfish-x5grr4qgig4hwgj-3000.app.github.dev/Umber-qasim/Assignment01.git
git push -u origin main
```

Pushing an existing repository from the command line

Activate Windows  
Go to Settings to activate Windows.

Issues Pull Requests Milestones Explore

Umber-qasim / Assignment01

<> Code Issues Packages Projects Wiki Settings

Assignment01 / README.md ⓘ or Cancel

<> New File Preview

```
1 Name: Umber Qasim
2 REGNO# 2023-BSE-066
3
```

Activate Windows  
Go to Settings to activate Windows.

Issues Pull Requests Milestones Explore

Umber-qasim / Assignment01

<> Code Issues Pull Requests Actions Packages Projects Releases Wiki Activity Settings

Files

main Assignment01 / README.md

README.md

Umber-qasim 8128dda01a Add README.md now

39 B

<> Raw Permalink Blame History

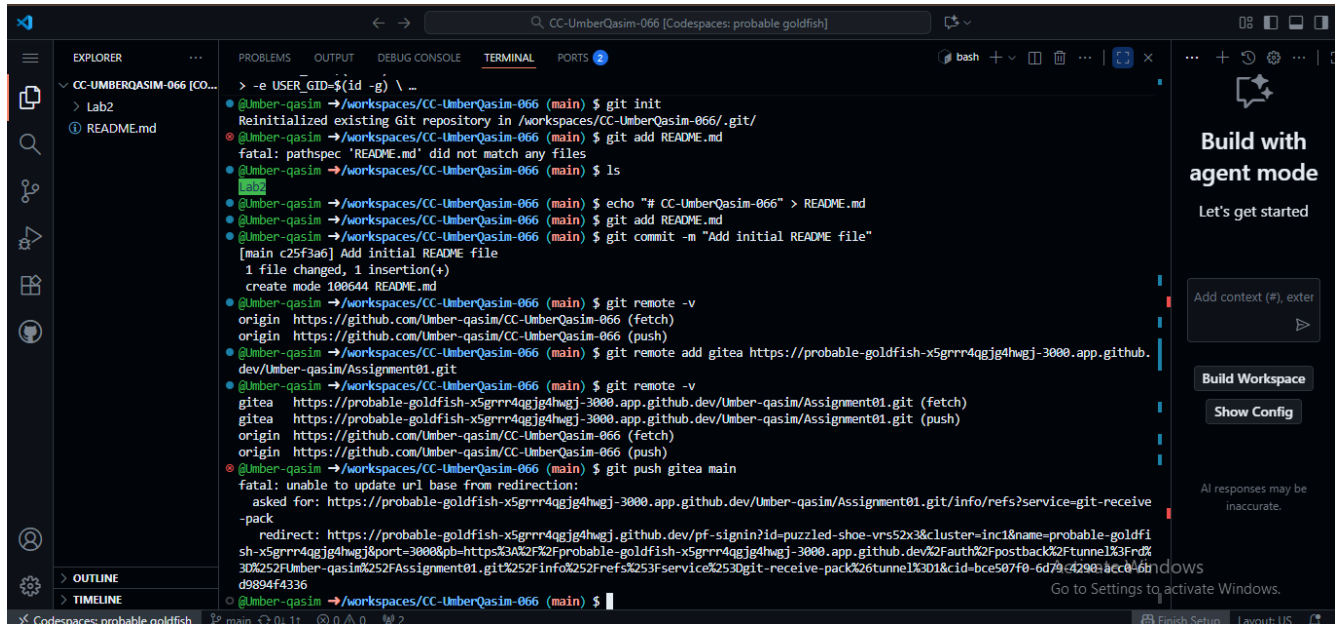
Name: Umber Qasim REGNO# 2023-BSE-066

Activate Windows  
Go to Settings to activate Windows.

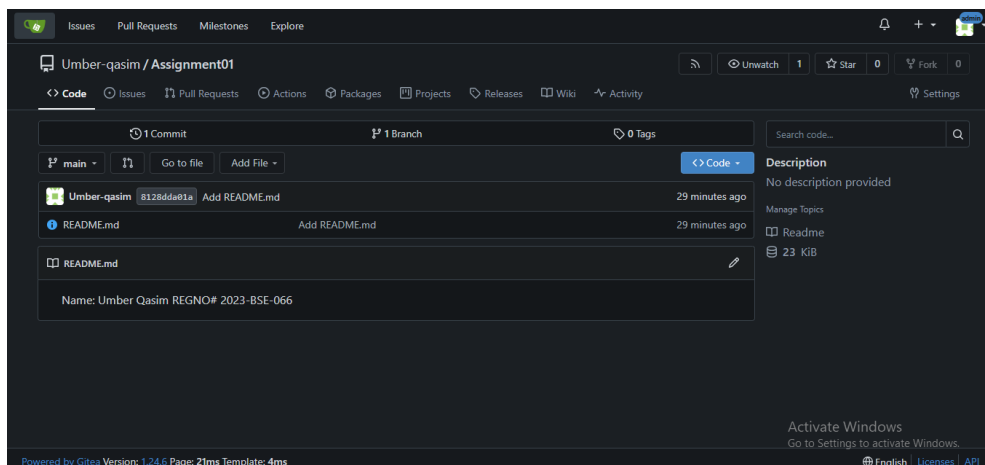
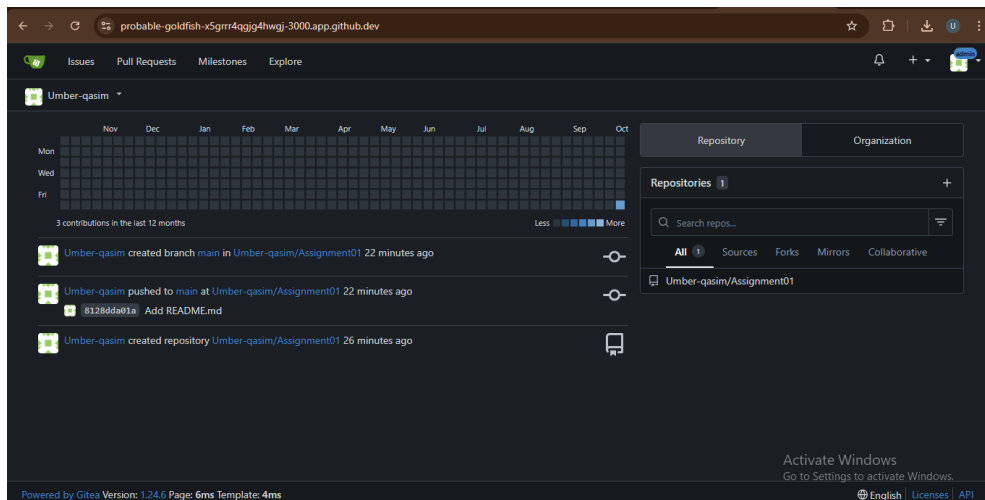
Powered by Gitea Version: 1.24.6 Page: 22ms Template: 3ms

English Licenses API

### 3. Add Remote Repo:



```
> -e USER_GID=$(id -g) \ ...
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ git init
Reinitialized existing Git repository in /workspaces/CC-UmberQasim-066/.git/
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ git add README.md
fatal: pathspec 'README.md' did not match any files
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ ls
README.md
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ echo "# CC-UmberQasim-066" > README.md
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ git add README.md
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ git commit -m "Add initial README file"
[main c25f3a6] Add initial README file
1 file changed, 1 insertion(+)
create mode 100644 README.md
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ git remote -v
origin https://github.com/Umber-qasim/CC-UmberQasim-066 (fetch)
origin https://github.com/Umber-qasim/CC-UmberQasim-066 (push)
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ git remote add gitea https://probable-goldfish-x5grrr4qgjg4hwgj-3000.app.github.dev/Umber-qasim/Assignment01.git
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ git remote -v
gitea https://probable-goldfish-x5grrr4qgjg4hwgj-3000.app.github.dev/Umber-qasim/Assignment01.git (fetch)
gitea https://probable-goldfish-x5grrr4qgjg4hwgj-3000.app.github.dev/Umber-qasim/Assignment01.git (push)
origin https://github.com/Umber-qasim/CC-UmberQasim-066 (fetch)
origin https://github.com/Umber-qasim/CC-UmberQasim-066 (push)
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ git push gitea main
fatal: unable to update url base from redirection:
asked for: https://probable-goldfish-x5grrr4qgjg4hwgj-3000.app.github.dev/Umber-qasim/Assignment01.git/info/refs?service=git-receive-pack
redirect: https://probable-goldfish-x5grrr4qgjg4hwgj.github.dev/pf-signin?id=puzzled-shoe-vrs52x3&cluster-inc1&name=probable-goldfish-x5grrr4qgjg4hwgj&port=3000&pb=https%3A%2F%2Fprobable-goldfish-x5grrr4qgjg4hwgj-3000.app.github.dev%2Fauth%2Fpostback%2Ftunnel%3Frd%3D%252FUmber-qasim%252FAssignment01.git%252Finfo%252Frefs%253Fservice%253Dgit-receive-pack%26tunnel%3D01&cid=bce507f0-6d79-c4298a-acc0-6d79-d9894f4336
```



## Task#02:

Mirror README.md from Gitea to GitHub.

## Answer:

### 1. Create GitHub Repository:

The screenshot shows the GitHub 'Create a new repository' page. It has two main sections: 'General' and 'Configuration'.

**General Section:**

- Owner:** 'Umber-qasim' (selected from a dropdown).
- Repository name:** 'Assignment01' (text input, with a green checkmark indicating it's available).
- Description:** An empty text input field.

**Configuration Section:**

- Choose visibility:** 'Public' (selected from a dropdown).
- Add README:** A toggle switch is set to 'Off'.
- Add .gitignore:** 'No .gitignore' (selected from a dropdown).
- Add license:** 'No license' (selected from a dropdown).

At the bottom right, there is a green 'Create repository' button and a Windows activation watermark.

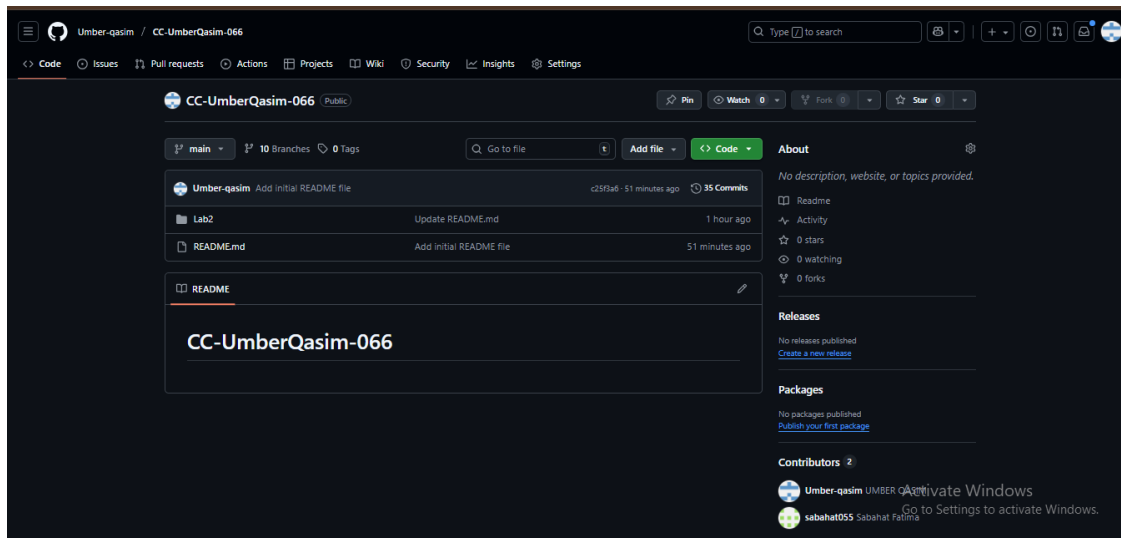
### 2. Add GitHub as a Second Remote then Push the README.md File to GitHub and Verify Remotes:

```
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ git remote add github https://github.com/Umber-qasim/Assignment01.git
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ git push -u github main
remote: Permission to Umber-qasim/Assignment01.git denied to Umber-qasim.
fatal: unable to access 'https://github.com/Umber-qasim/Assignment01.git/': The requested URL returned error: 403
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ git remote set-url github https://github.com/Umber-qasim/Assignment01.git
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ git remote -v
gitea https://probable-goldfish-x5grrr4qgjg4hwgj-3000.app.github.dev/Umber-qasim/Assignment01.git (fetch)
gitea https://probable-goldfish-x5grrr4qgjg4hwgj-3000.app.github.dev/Umber-qasim/Assignment01.git (push)
github https://github.com/Umber-qasim/Assignment01.git (fetch)
github https://github.com/Umber-qasim/Assignment01.git (push)
origin https://github.com/Umber-qasim/CC-UmberQasim-066 (fetch)
origin https://github.com/Umber-qasim/CC-UmberQasim-066 (push)
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ git push -u github main
remote: Permission to Umber-qasim/Assignment01.git denied to Umber-qasim.
fatal: unable to access 'https://github.com/Umber-qasim/Assignment01.git/': The requested URL returned error: 403
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ gh auth login
? Where do you use GitHub? GitHub.com
The value of the GITHUB_TOKEN environment variable is being used for authentication.
To have GitHub CLI store credentials instead, first clear the value from the environment.
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ unset GITHUB_TOKEN
@Umber-qasim →/workspaces/CC-UmberQasim-066 (main) $ gh auth login
? Where do you use GitHub? GitHub.com
? What is your preferred protocol for Git operations on this host? HTTPS
? Authenticate Git with your GitHub credentials? Yes
? How would you like to authenticate GitHub CLI? Login with a web browser

! First copy your one-time code: 7C06-6265
Press Enter to open https://github.com/login/device in your browser...
✓ Authentication complete.
- gh config set -h github.com git_protocol https
```

```
✓ Configured git protocol
! Authentication credentials saved in plain text
✓ Logged in as Umber-qasim
@Umber-qasim → /workspaces/CC-UmberQasim-066 (main) $ git push -u github main
remote: Permission to Umber-qasim/Assignment01.git denied to Umber-qasim.
fatal: unable to access 'https://github.com/Umber-qasim/Assignment01.git/': The requested URL returned error: 403
@Umber-qasim → /workspaces/CC-UmberQasim-066 (main) $ git remote remove github
@Umber-qasim → /workspaces/CC-UmberQasim-066 (main) $ git remote add github https://github.com/Umber-qasim/CC-UmberQasim-066.git
@Umber-qasim → /workspaces/CC-UmberQasim-066 (main) $ git push -u github main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 320 bytes | 320.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Umber-qasim/CC-UmberQasim-066.git
d59af49..c25f3a6 main -> main
branch 'main' set up to track 'github/main'.
```

Activate Windows  
Go to Settings to activate Windows.

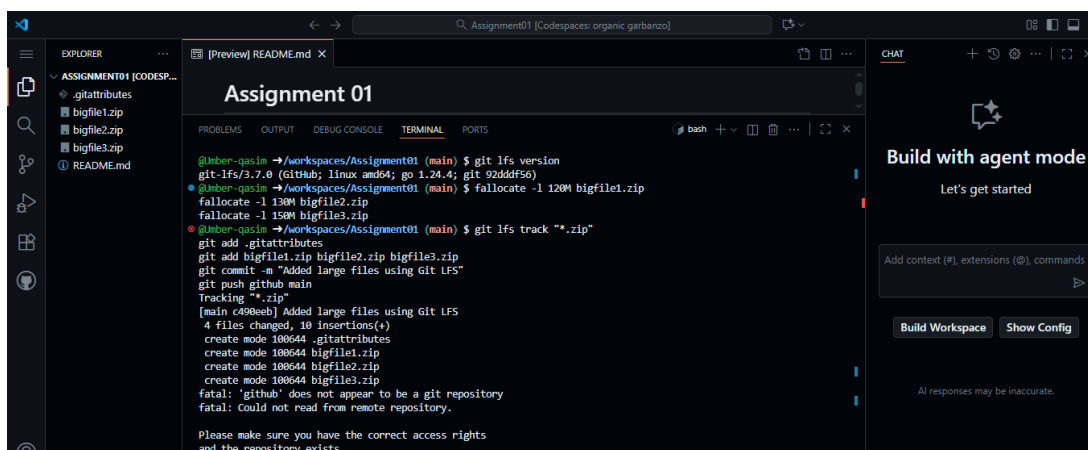


### Task#03:

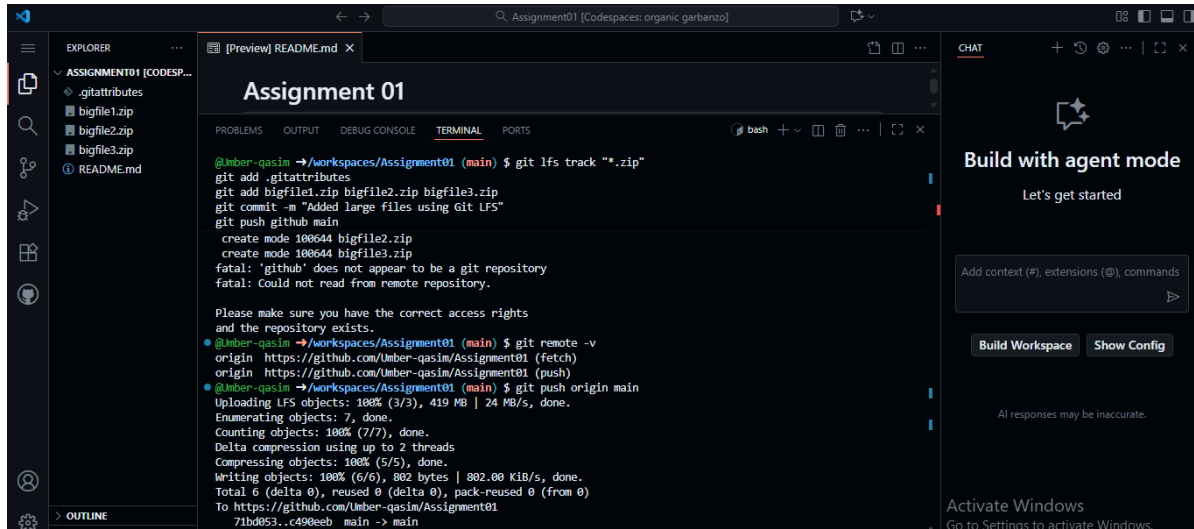
Use Git LFS for Large Files.

### Answer:

#### 1. Install Git LFS:



## 2. Add Large Files:



The screenshot shows the VS Code interface with a terminal window open. The terminal displays the following commands and output:

```
@Umber-qasim → /workspaces/Assignment01 (main) $ git lfs track "*.zip"
git add .gitattributes
git add bigfile1.zip bigfile2.zip bigfile3.zip
git commit -m "Added large files using Git LFS"
git push github main

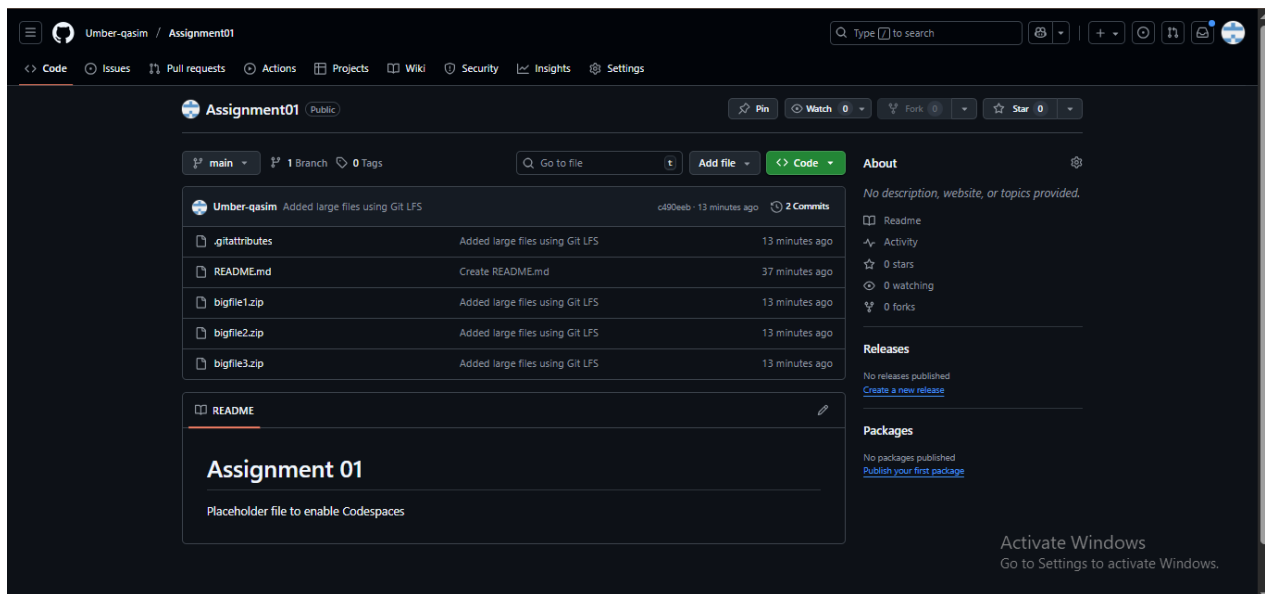
create mode 100644 bigfile2.zip
create mode 100644 bigfile3.zip
fatal: 'github' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

@Umber-qasim → /workspaces/Assignment01 (main) $ git remote -v
origin https://github.com/Umber-qasim/Assignment01 (fetch)
origin https://github.com/Umber-qasim/Assignment01 (push)
@Umber-qasim → /workspaces/Assignment01 (main) $ git push origin main
Uploading LFS objects: 100% (3/3), 419 MB | 24 MB/s, done.
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 2 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 802 bytes | 802.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Umber-qasim/Assignment01
71bd853..c490eeb main -> main
```

The chat sidebar on the right shows a message: "Build with agent mode Let's get started". Below the message is a text input field with the placeholder "Add context (#), extensions (@), commands" and a send button. There are also buttons for "Build Workspace" and "Show Config". At the bottom of the chat sidebar, it says "Activate Windows Go to Settings to activate Windows."

## 3. Reference in Assignment Repo:



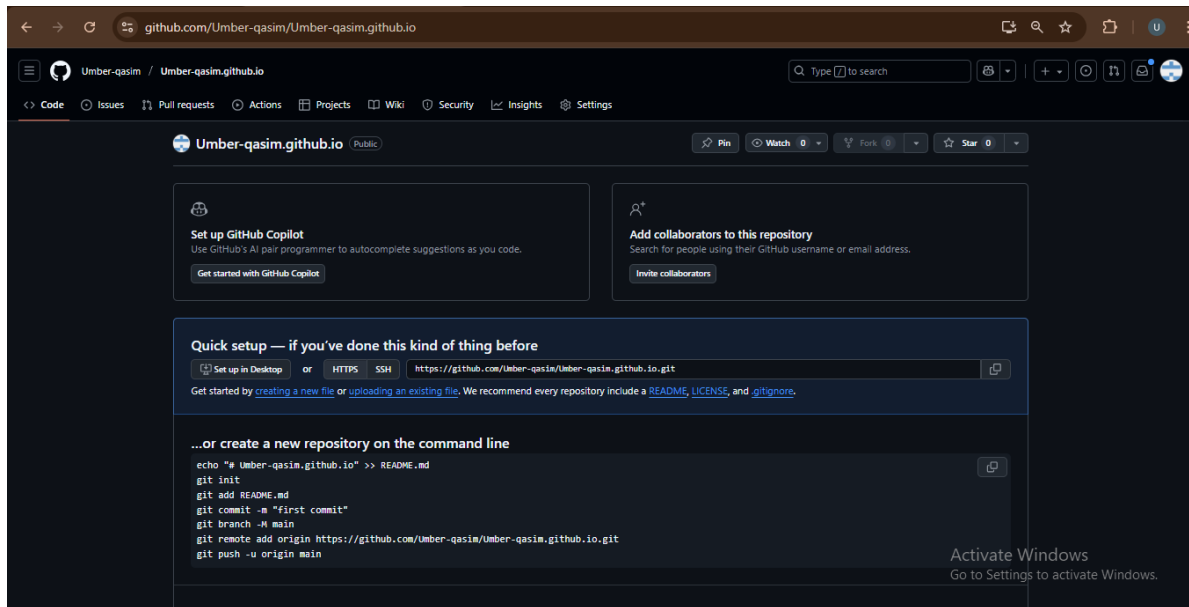
### Task#04:

Create Portfolio/CV with GitHub Pages.

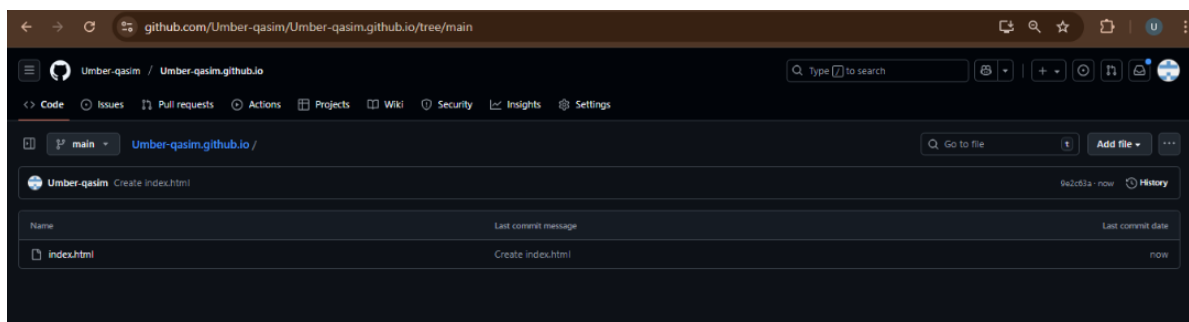
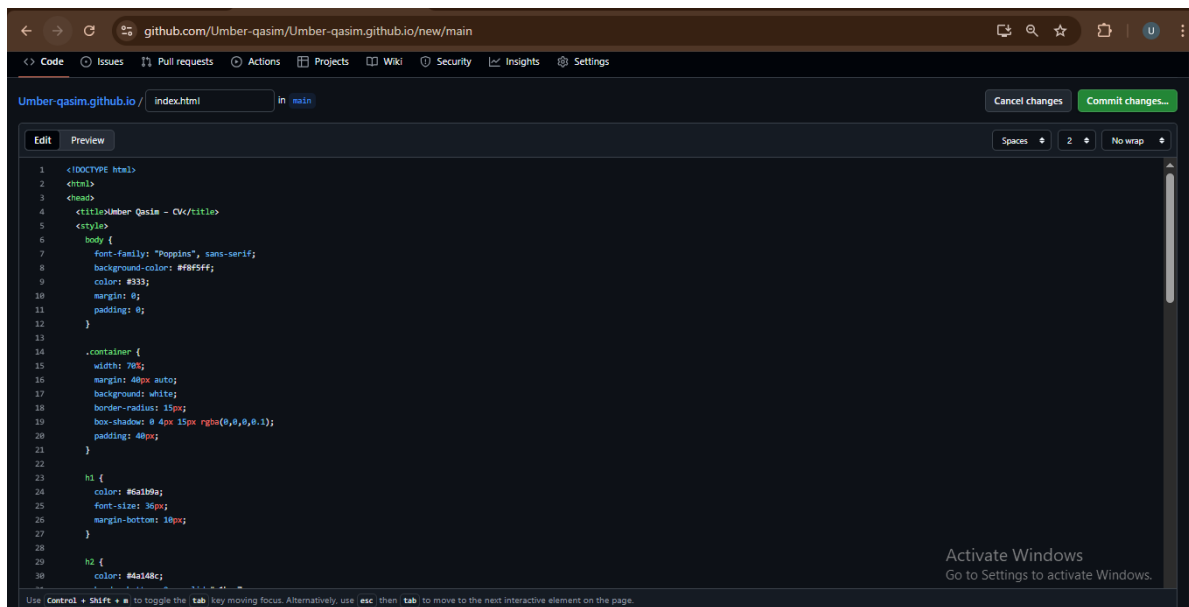
### Answer:

#### 1. Create a new repository for GitHub Pages:

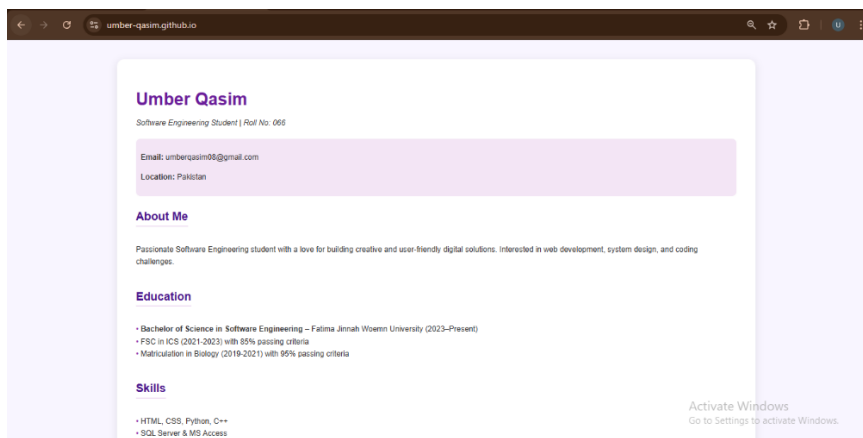
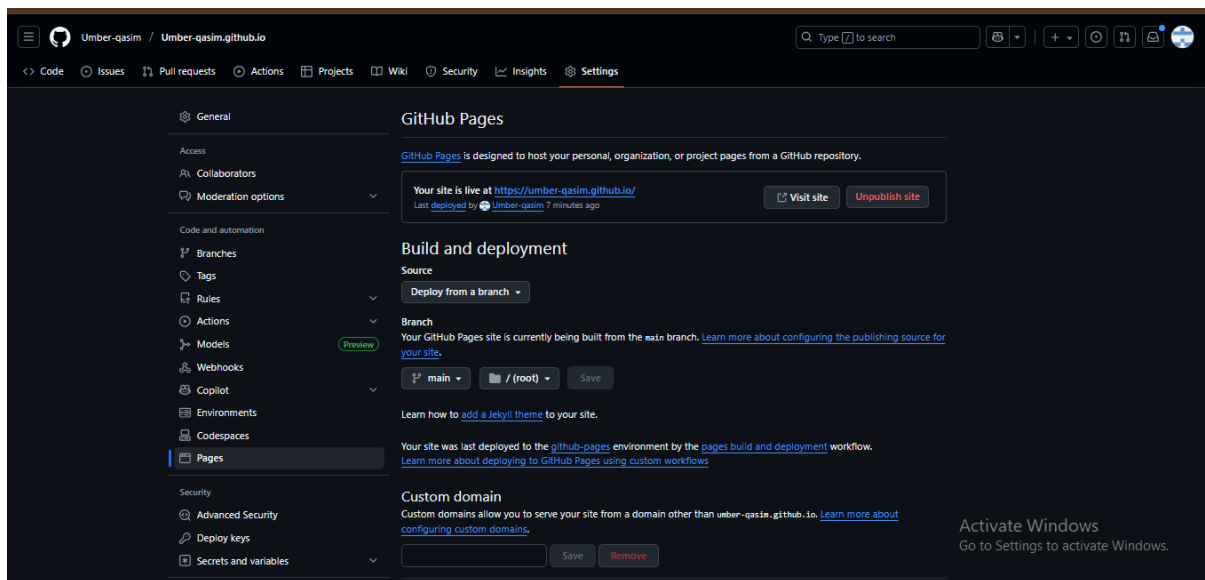
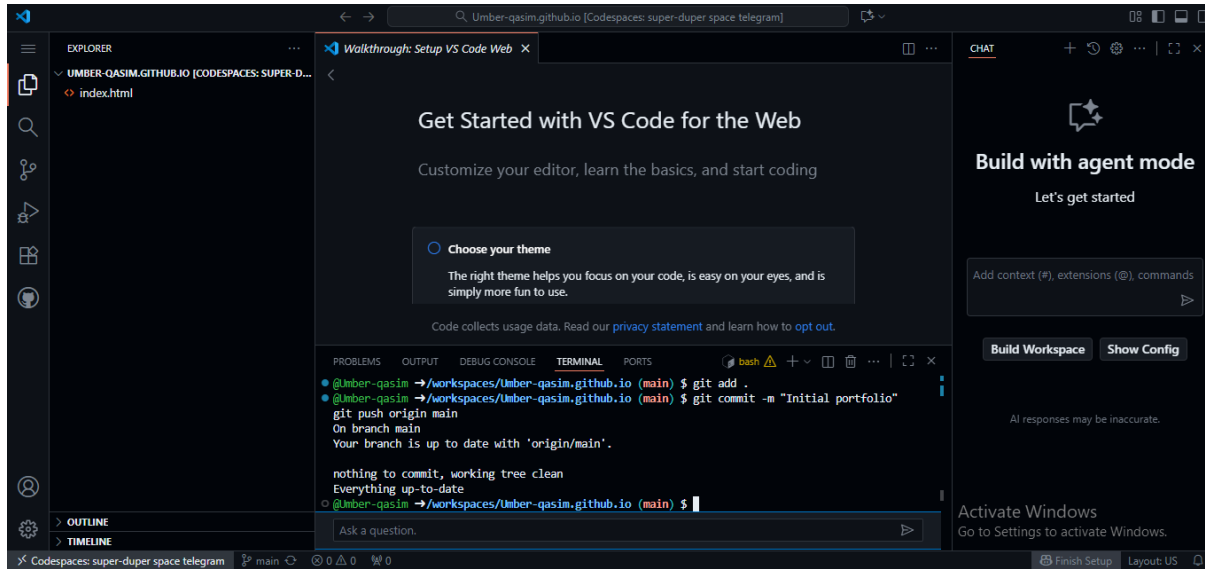




## 2. Design Your Portfolio/CV:

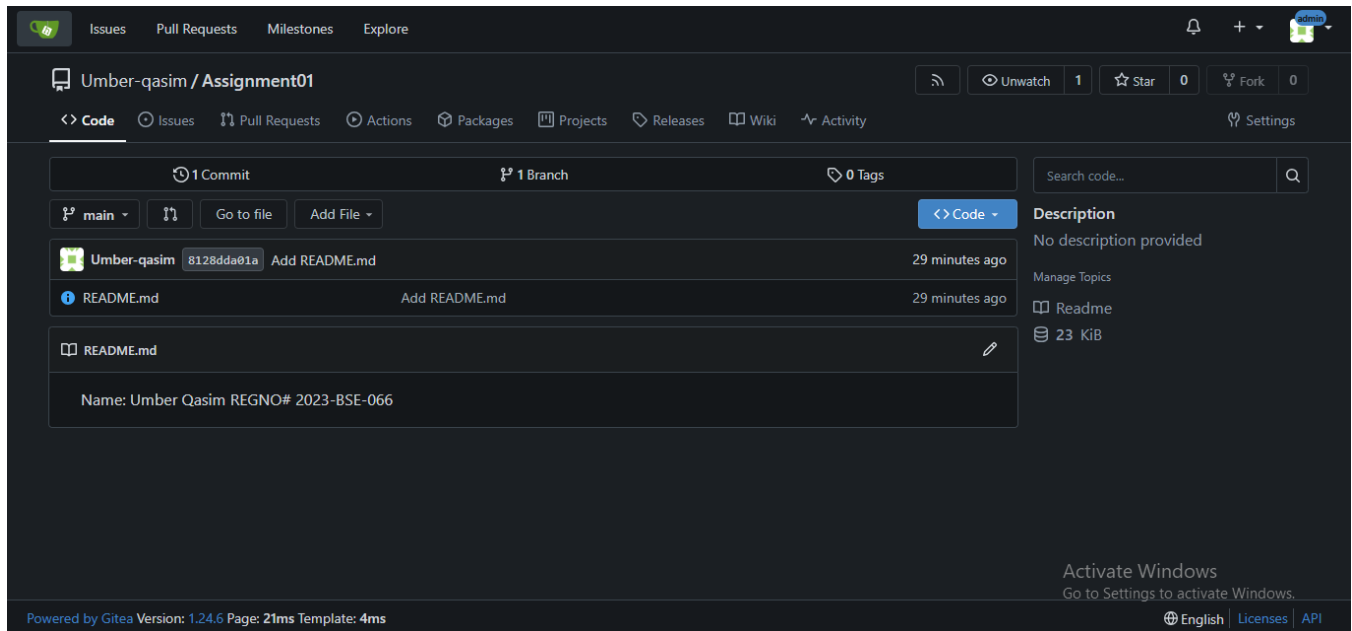


### 3. Publish with GitHub Pages:



## Submission Checklist:

*Screenshot of your Gitea repository (showing README listing names & roll numbers)*



*GitHub assignment1 repo link With README and large files*

<https://github.com/Umber-qasim/Assignment01>

*Screenshot or output of git remote -v showing both remotes*

```
● @Umber-qasim → /workspaces/CC-UmberQasim-066 (main) $ git remote -v
gitea https://probable-goldfish-x5grrr4qgjg4hwgj-3000.app.github.dev/Umber-qasim/Assignment01.git (fetch)
gitea https://probable-goldfish-x5grrr4qgjg4hwgj-3000.app.github.dev/Umber-qasim/Assignment01.git (push)
github https://github.com/Umber-qasim/Assignment01.git (fetch)
github https://github.com/Umber-qasim/Assignment01.git (push)
origin https://github.com/Umber-qasim/CC-UmberQasim-066 (fetch)
origin https://github.com/Umber-qasim/CC-UmberQasim-066 (push)
```

*GitHub Pages link to your CV/portfolio*

<https://umber-qasim.github.io/>