# Cloud Computing

## Assignment # 1

**Submitted To: Engr. Waqas Saleem**

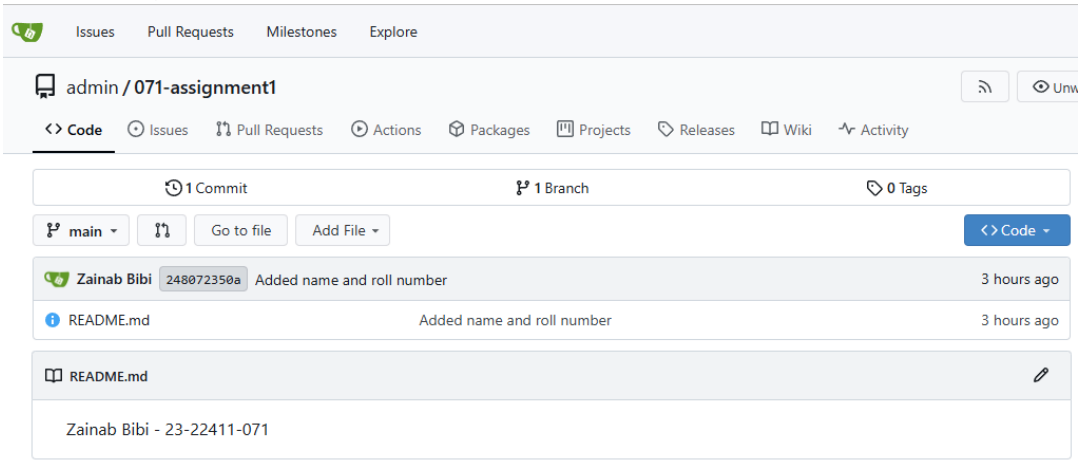
**Submitted By: Zainab Bibi**

**Registration No: 2023-BSE-071**

**BSE 5-B**

## Submission Checklist:

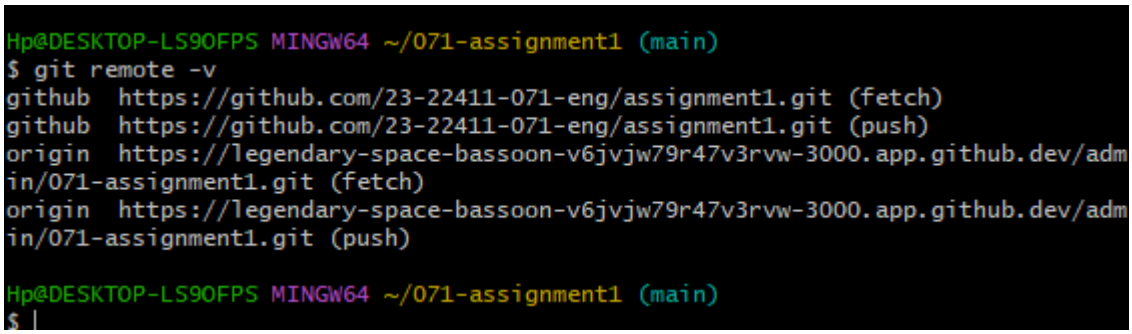
- Screenshot of your Gitea repository (showing README listing names & roll numbers)




- GitHub assignment 1 repo link (with README and large files)

https://github.com/23-22411-071-eng/assignment1

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



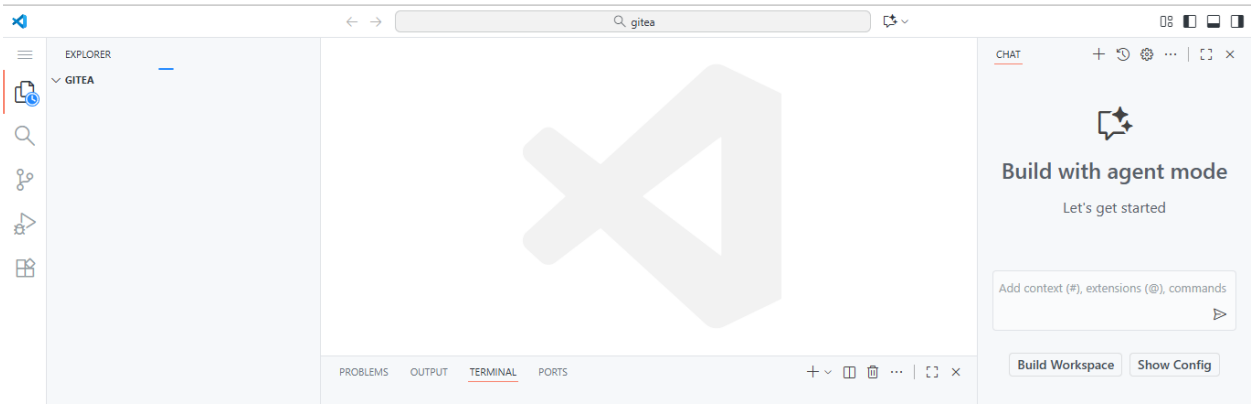

- GitHub Pages link to your CV/portfolio

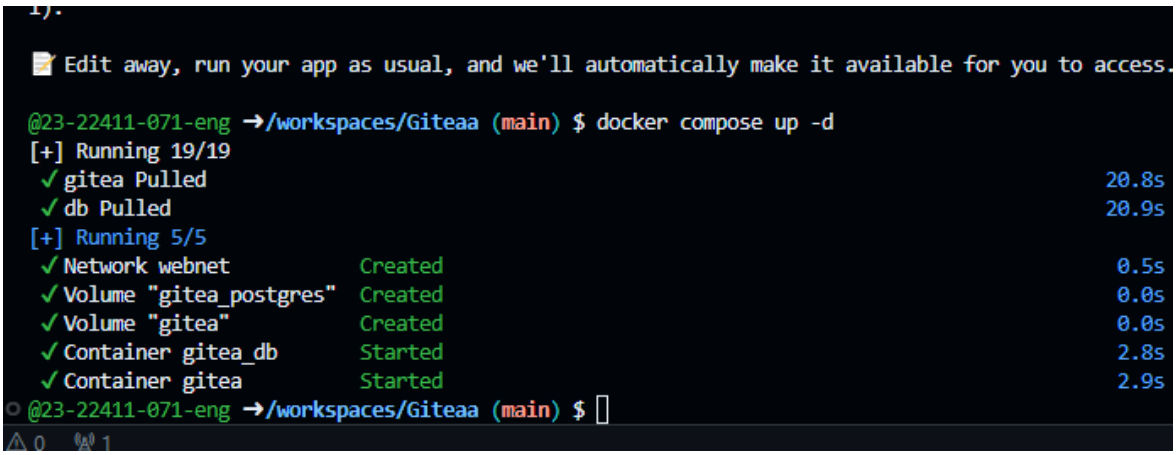
https://23-22411-071-eng.github.io/

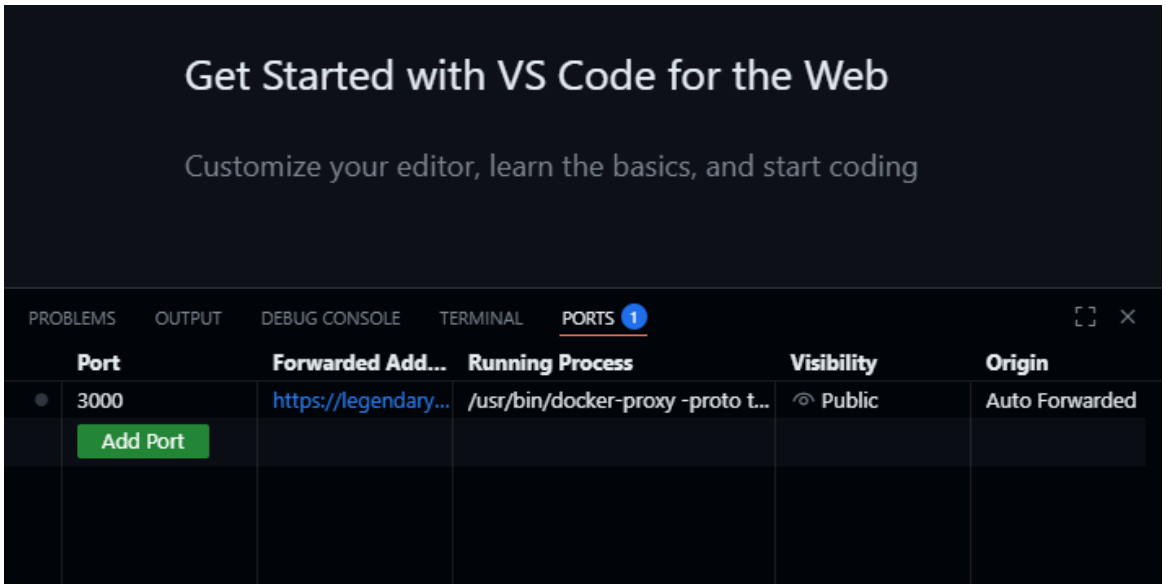
## Task 1 : Run Gitea in Codespace and Create an Initial Repo

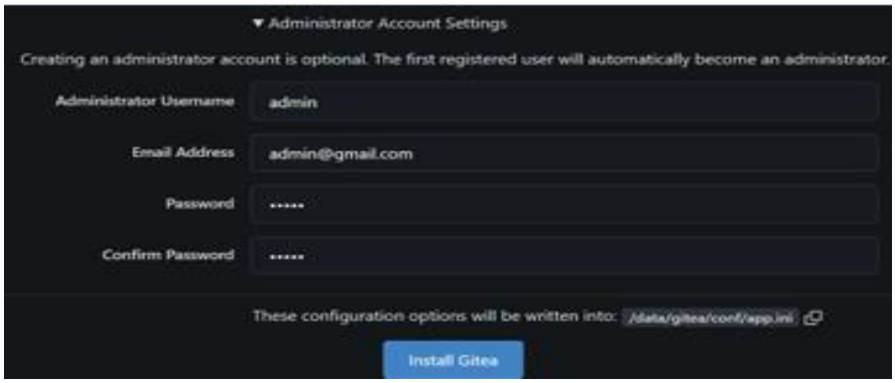
1.Set up Gitea:

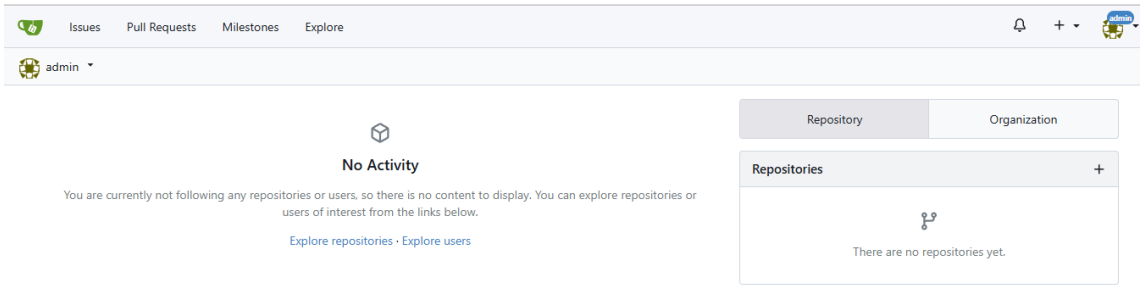
Creating Github Codespaces Installing and running Gitea inside Codespace. Accessing Gitea in Codespace browser



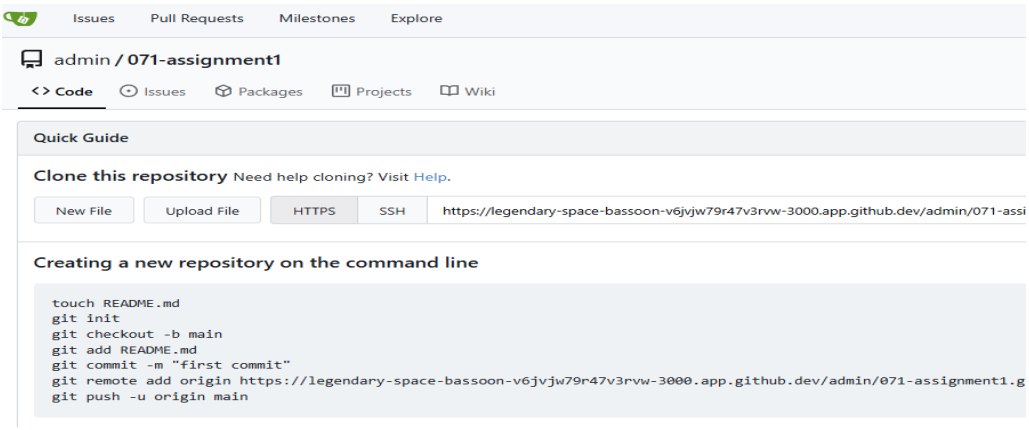



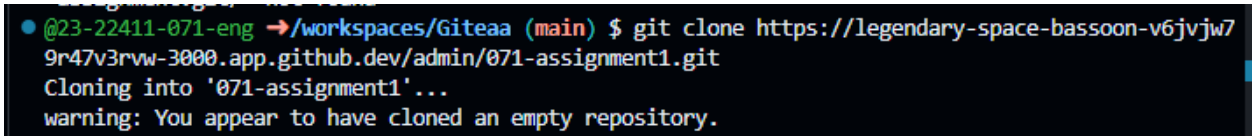

## 2.Create a repository

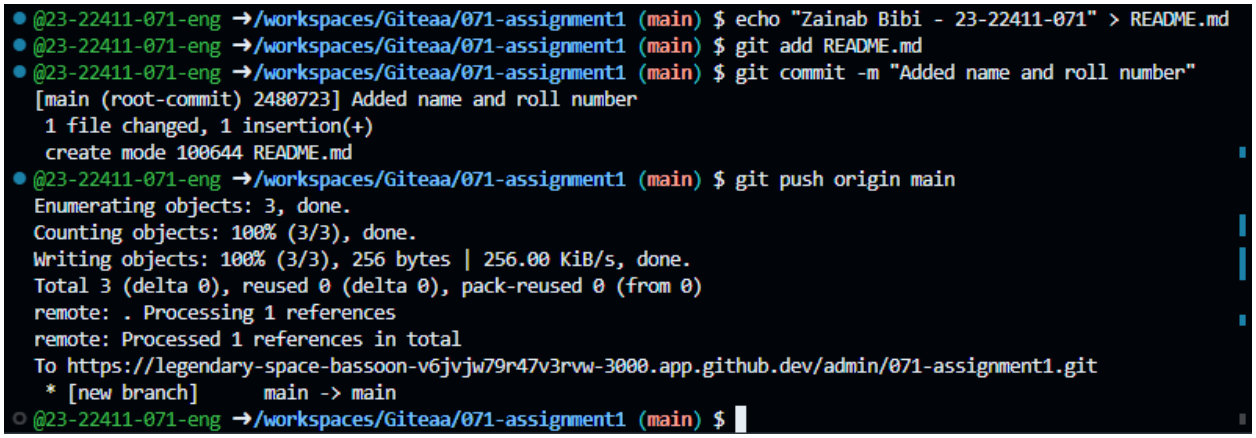
Create a new repository on your Gitea server. Add a README.md file listing each student's name and roll number.




3.Add remote repo

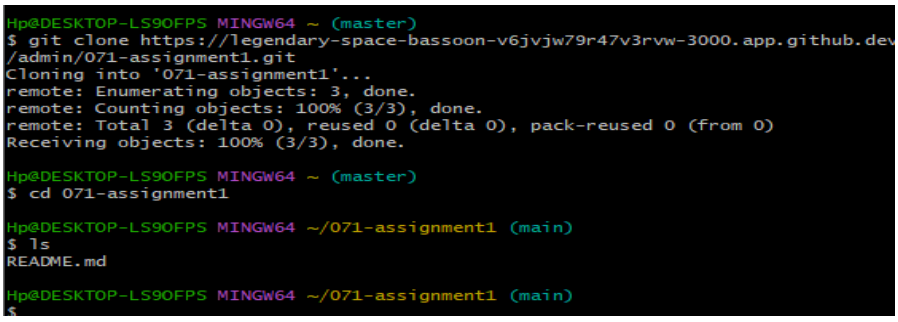
Push your initial commit containing the README.md to Gitea.



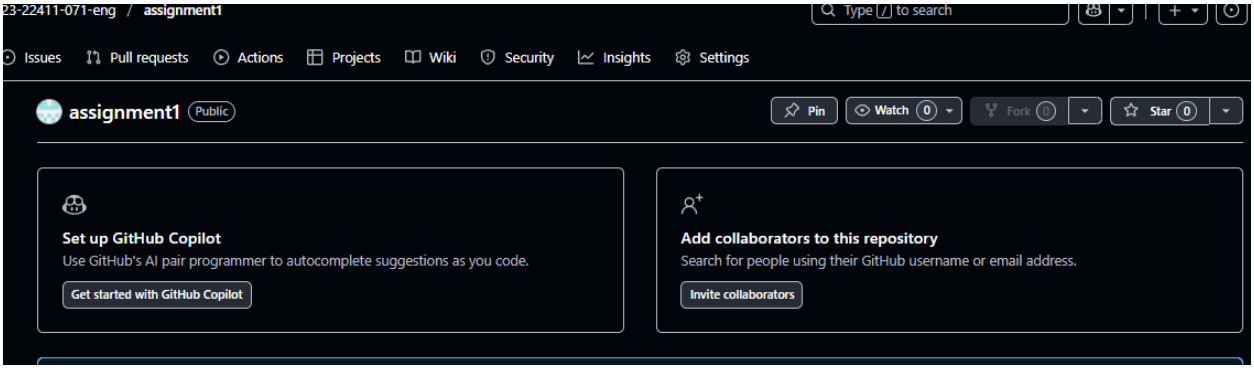




## Task 2: Mirror README.md from Gitea to GitHub

1. Continue Working with Your Existing Repository: You will use the same repository that you created and pushed to your Gitea server in Task 1.



2. Create GitHub Repository: Create a new GitHub repository named assignment 1.




3. Add GitHub as a Second Remote:Add your GitHub repository as a remote to your local repository: git remote add github https://github.com/23-22411-071-eng/assignment1.git

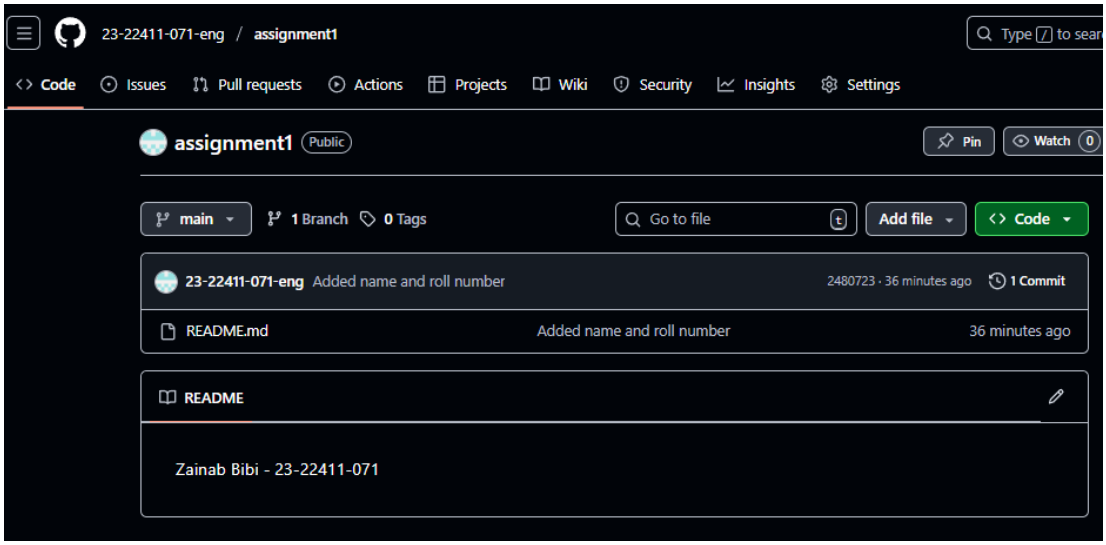
```
Hp@DESKTOP-LS9OFPS MINGW64 ~/071-assignment1 (main)
$ git remote add github https://github.com/23-22411-071-eng/assignment1.git
```

4. Push the README.md File to GitHub:  Push the contents (including the README.md) from your local repository to GitHub.

```
Hp@DESKTOP-LS9OFPS MINGW64 ~/071-assignment1 (main)
$ git push github main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 256 bytes | 256.00 KiB/s, done.
Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
To https://github.com/23-22411-071-eng/assignment1.git
 * [new branch]      main -> main
```

5. Verify Remotes: Run git remote -v and ensure both remotes (gitea and github) are listed.

```
Hp@DESKTOP-LS9OFPS MINGW64 ~/071-assignment1 (main)
$ git remote -v
github  https://github.com/23-22411-071-eng/assignment1.git (fetch)
github  https://github.com/23-22411-071-eng/assignment1.git (push)
origin  https://legendary-space-bassoon-v6jvjw79r47v3rvw-3000.app.github.dev/adm
in/071-assignment1.git (fetch)
origin  https://legendary-space-bassoon-v6jvjw79r47v3rvw-3000.app.github.dev/adm
in/071-assignment1.git (push)

Hp@DESKTOP-LS9OFPS MINGW64 ~/071-assignment1 (main)
$
```




## Task 3: Use Git LFS for Large Files

1. Install Git LFS: Set up Git LFS in your local repository.

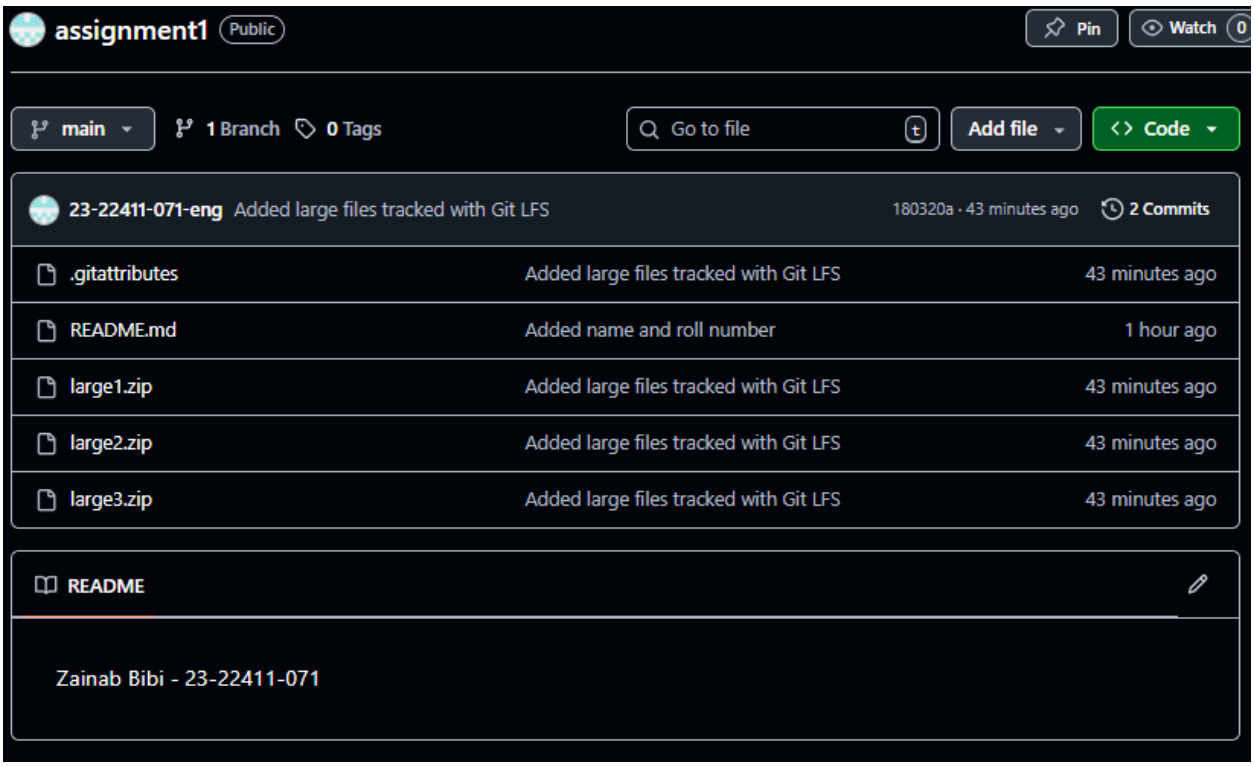
```
Hp@DESKTOP-LS9OFPS MINGW64 ~/071-assignment1 (main)
$ git lfs version
git-lfs/3.7.0 (GitHub; windows amd64; go 1.24.4; git 92dddf56)

Hp@DESKTOP-LS9OFPS MINGW64 ~/071-assignment1 (main)
$ git lfs install
Updated Git hooks.
Git LFS initialized.
```

2. Add Large Files: Add three files larger than 100 MB each to your repository. Track them using Git LFS: git lfs track "*.ext". Replace .ext with the appropriate file extension.

```
Hp@DESKTOP-LS9OFPS MINGW64 ~/071-assignment1 (main)
$ fsutil file createnew large1.zip 120000000
fsutil file createnew large2.zip 130000000
fsutil file createnew large3.zip 140000000
File C:\Users\Hp\071-assignment1\large1.zip is created
File C:\Users\Hp\071-assignment1\large2.zip is created
File C:\Users\Hp\071-assignment1\large3.zip is created

Hp@DESKTOP-LS9OFPS MINGW64 ~/071-assignment1 (main)
$ git lfs track "*.zip"
Tracking "*.zip"

Hp@DESKTOP-LS9OFPS MINGW64 ~/071-assignment1 (main)
$ git add .gitattributes
```

3. Reference in Assignment Repo: Commit and push these large files to your GitHub assignment 1 repo. Ensure the files are referenced correctly in your repository history

```
Hp@DESKTOP-LS9OFPS MINGW64 ~/071-assignment1 (main)
$ git push github main
Uploading LFS objects: 100% (3/3), 390 MB | 1.1 MB/s, done.
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 795 bytes | 113.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/23-22411-071-eng/assignment1.git
   2480723..180320a  main -> main

Hp@DESKTOP-LS9OFPS MINGW64 ~/071-assignment1 (main)
$
```

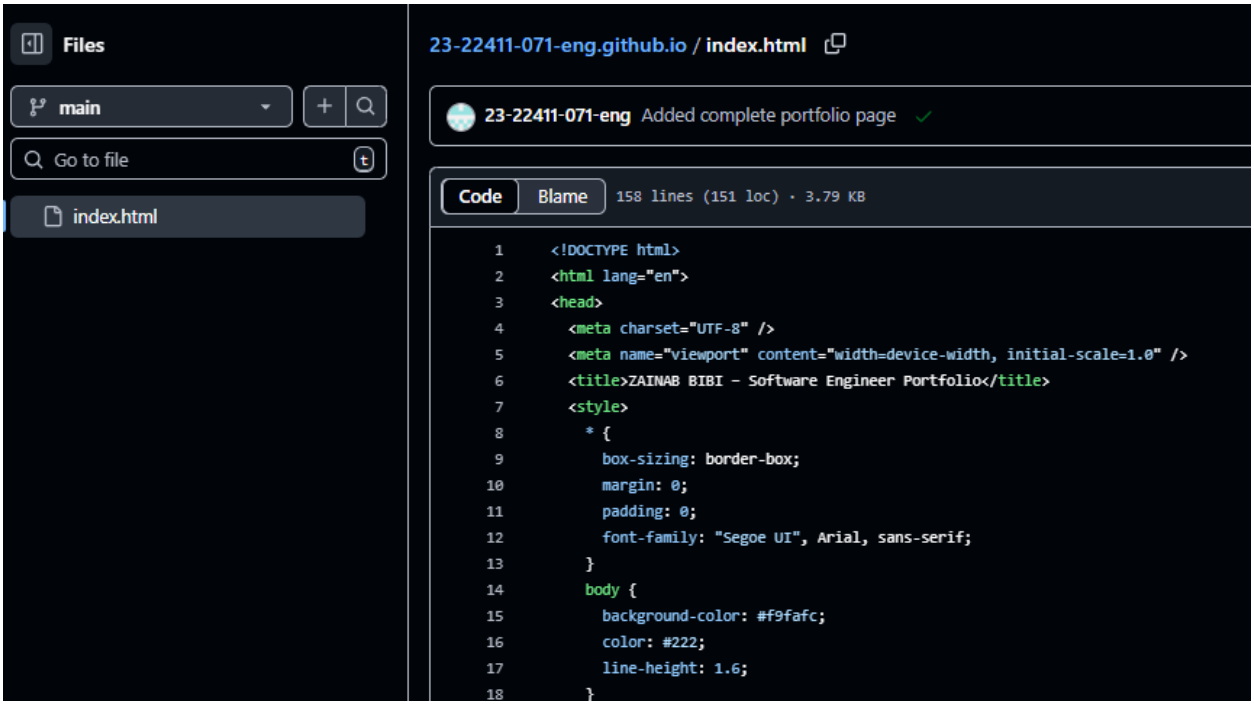



## Task 4: Create a Portfolio/CV with GitHub Pages

1. Create a new repository for GitHub Pages:Create a new repository named <your-username>.github.io.Replace <your-username> with your actual GitHub username (e.g., johnsmith.github.io).

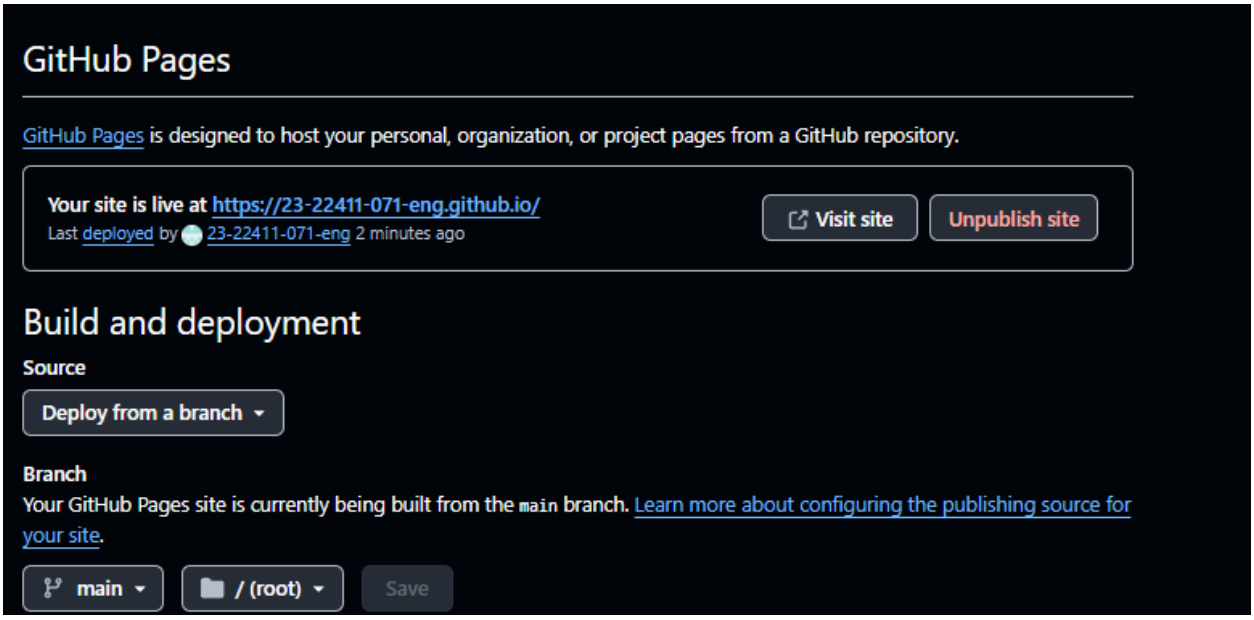

2. Design Your Portfolio/CV:Create your portfolio or CV in HTML/CSS (or use a static site generator).

```
Hp@DESKTOP-LS9OFPS MINGW64 ~/23-22411-071-eng.github.io (main)
$ cat > index.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>ZAINAB BIBI - Software Engineer Portfolio</title>
  <style>
    * {
      box-sizing: border-box;
      margin: 0;
      padding: 0;
      font-family: "Segoe UI", Arial, sans-serif;
    }
    body {
      background-color: #f9fafc;
      color: #222;
      line-height: 1.6;
    }
    header {
      background: #005fa3;
      color: #fff;
      text-align: center;
      padding: 30px 20px;
    }
    header h1 {
      font-size: 2.2rem;
      margin-bottom: 5px;
```




3. Publish with GitHub Pages: Push your portfolio/CV files to the <your-username>.github.io repository.Enable GitHub Pages in your repository settings if not automatically enabled. Publish your site and share the link.

```
Hp@DESKTOP-LS9OFPS MINGW64 ~/23-22411-071-eng.github.io (main)
$ git add index.html
warning: in the working copy of 'index.html', LF will be replaced by CRLF the
xt time Git touches it

Hp@DESKTOP-LS9OFPS MINGW64 ~/23-22411-071-eng.github.io (main)
$ git commit -m "Added complete portfolio page"
[main (root-commit) 7667f3c] Added complete portfolio page
 1 file changed, 158 insertions(+)
 create mode 100644 index.html

Hp@DESKTOP-LS9OFPS MINGW64 ~/23-22411-071-eng.github.io (main)
$ git push origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 1.69 KiB | 578.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/23-22411-071-eng/23-22411-071-eng.github.io.git
 * [new branch]      main -> main
```




# Zainab Bibi

**Software Engineer (Junior Year Student – FJWU)**

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Rawalpindi, Pakistan

## Objective

Motivated Software Engineering student with skills in Git, GitHub, Gitea, and web development, eager to apply my knowledge to real-world projects and team collaborations.

## Education

- **BSc Software Engineering**
  Fatima Jinnah Women University – 2023 to 2027
- **Intermediate in Computer Science**
  FBISE – 2021 to 2023

## Skills

| | | | | |
|---|---|---|---|---|
| Git, GitHub, Gitea | Web Development | Python, C++, HTML, CSS | SQL & Database Design | Visual Paradigm |
| Microsoft Office | Digital Marketing | Artificial | | |