FATIMA JINNAH WOMEN UNIVERSITY

Department of Software Engineering

ASSIGNMENT#01
Report

SUBJECT: CLOUD COMPUTING

SUBMITTED TO: SIR WAQAS SALEEM

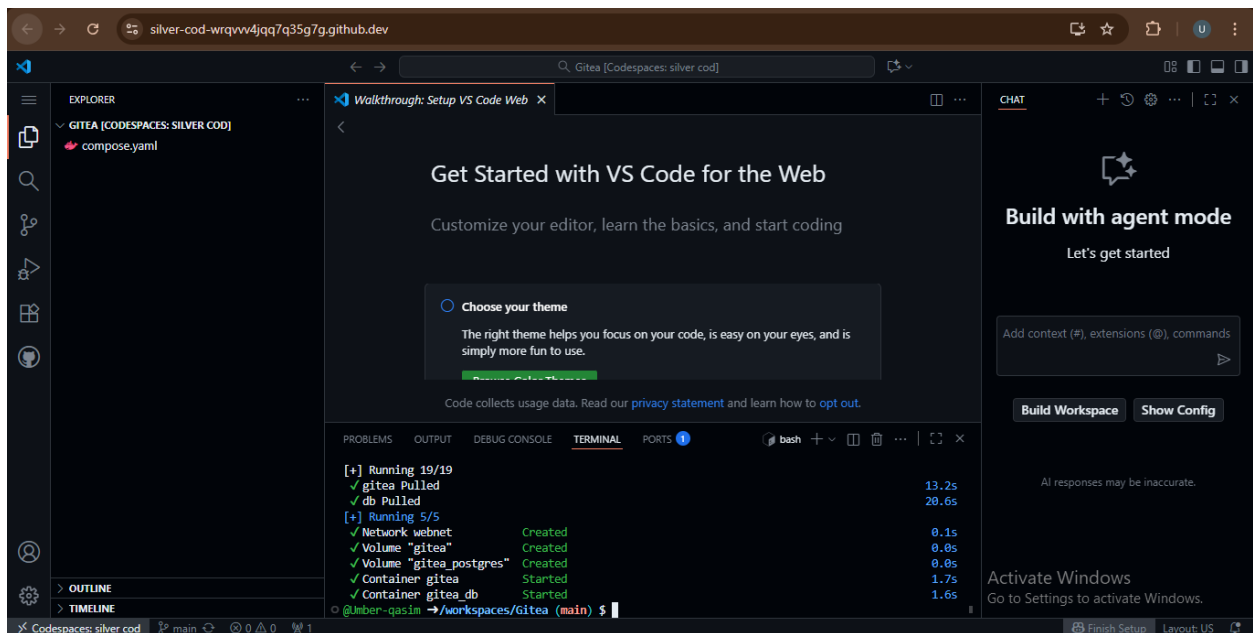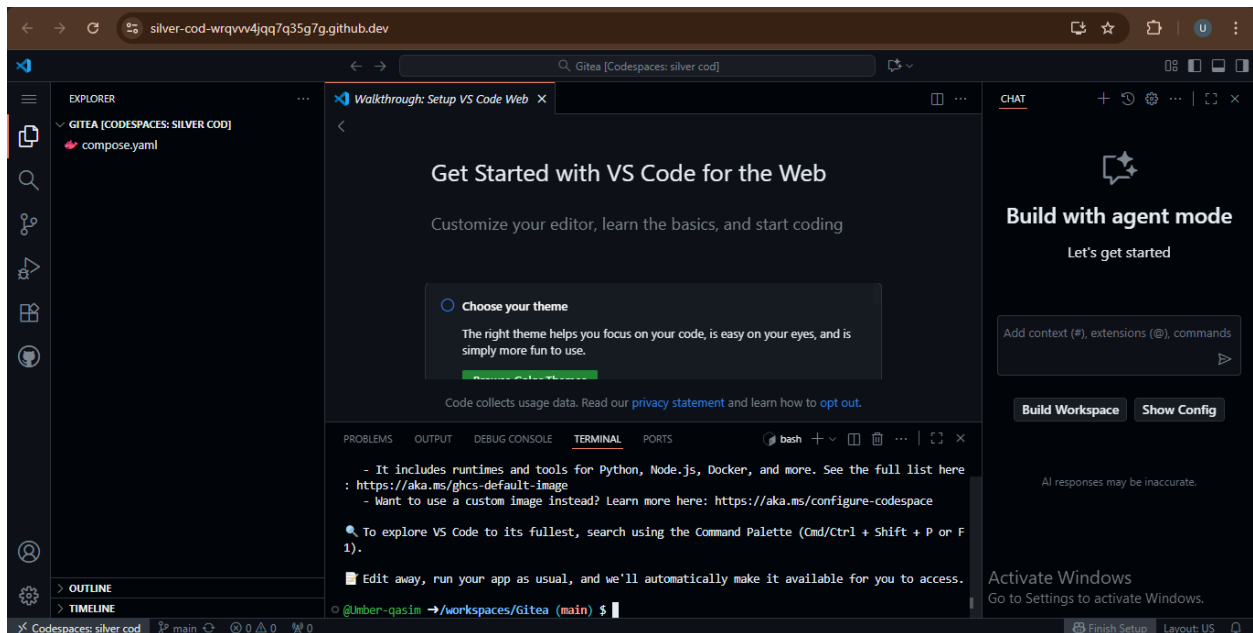**SUBMITTED BY: UMBER QASIM**

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:

Issues   Pull Requests   Milestones   Explore

admin / **Assignment1**

Unwatch 1   Star 0

<> Code   Issues   Packages   Projects   Wiki   Settings

Quick Guide

Clone this repository Need help cloning? Visit Help.

New File   Upload File   HTTPS   SSH   https://silver-cod-wrqvvv4jqq7q35g7g-3000.app.github.dev/admin/Assignment1.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://silver-cod-wrqvvv4jqq7q35g7g-3000.app.github.dev/admin/Assignment1.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

admin / **Assignment1**

Unwatch 1   Star 0   Fork 0

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

Files

README.md

main   Assignment1 / README.md

admin 7905864311 Add README.md   now

38 B   <> | Raw Permalink Blame History

Name: Umber Qasim Reg No# 2023-BSE-066

Activate Windows
Go to Settings to activate Windows.

Powered by Gitea Version: 1.24.6 Page: 37ms Template: 9ms   English | Licenses | API
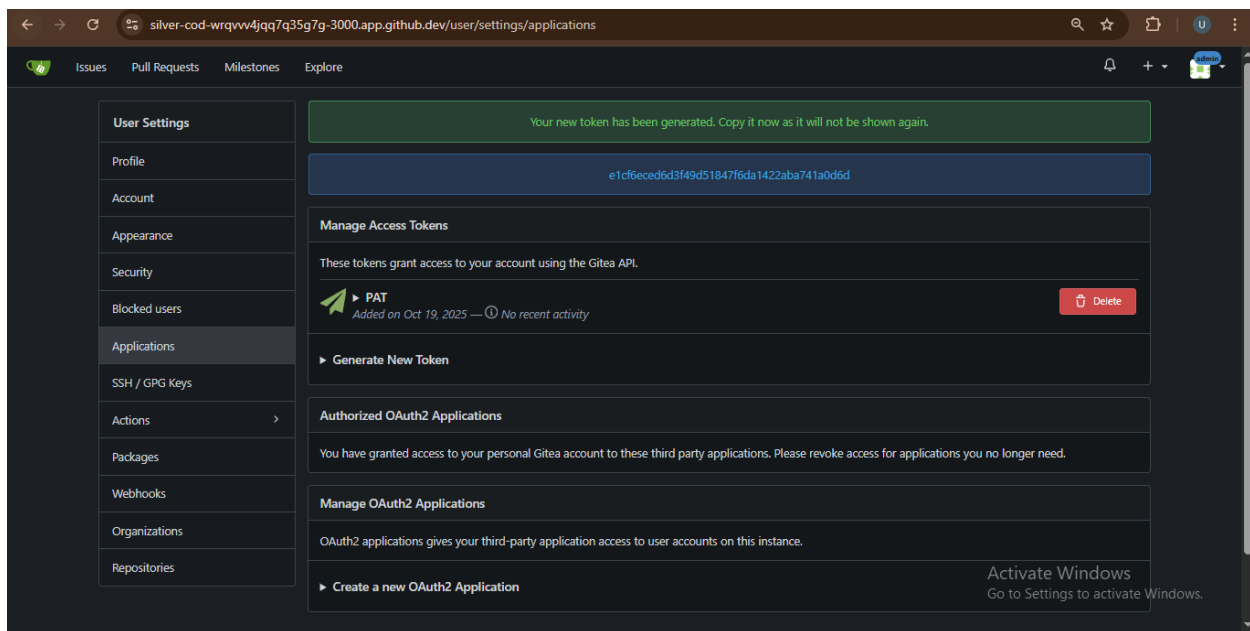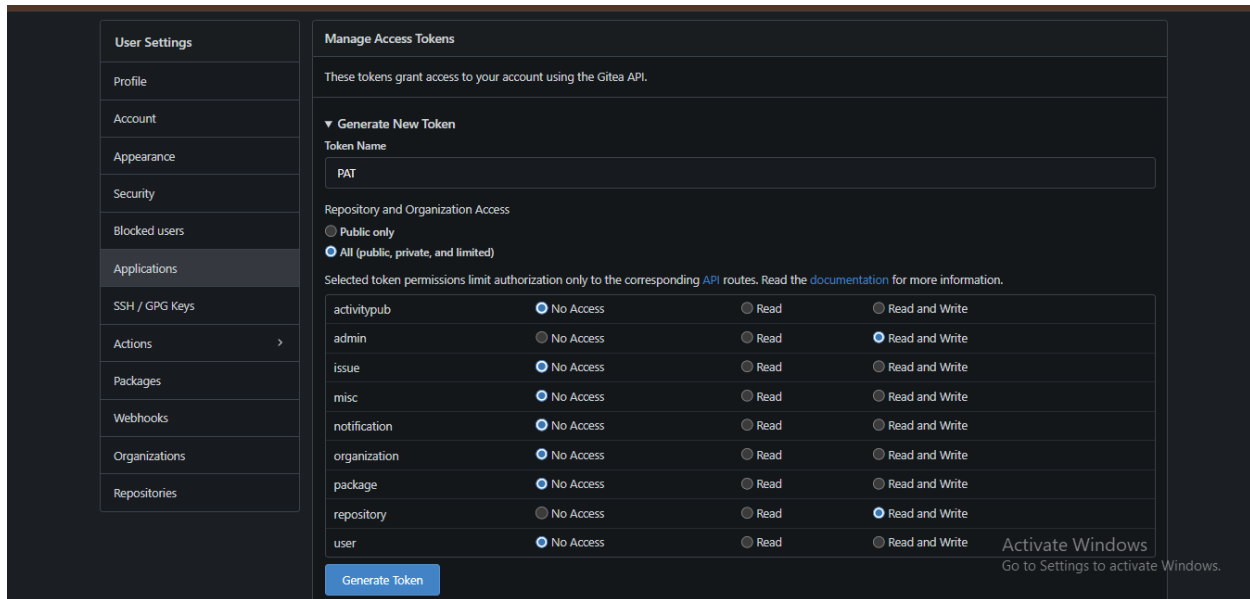
3. Add Remote Repo:


```
HP@DESKTOP-BGN0K42 MINGW64 ~/Assignment1
$ git init
Initialized empty Git repository in C:/Users/HP/Assignment1/.git/

HP@DESKTOP-BGN0K42 MINGW64 ~/Assignment1 (master)
$ git remote add gitea https://admin:e1cf6eced6d3f49d51847f6da1422aba741a0d6d@si
lver-cod-wrqvvv4jqq7q35g7g-3000.app.github.dev/admin/Assignment1.git
```

```
HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (master)
$ git pull
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 240 bytes | 6.00 KiB/s, done.
From https://silver-cod-wrqvvv4jqq7q35g7g-3000.app.github.dev/admin/Assignment1
 * [new branch]      main         -> gitea/main
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

    git pull <remote> <branch>

If you wish to set tracking information for this branch you can do so with:

    git branch --set-upstream-to=gitea/<branch> master


HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (master)
$ git branch -M main

HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (main)
$ git pull gitea main
From https://silver-cod-wrqvvv4jqq7q35g7g-3000.app.github.dev/admin/Assignment1
 * branch            main         -> FETCH_HEAD

HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (main)
$ ls
README.md

HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (main)
$ cat README.md
Name: Umber Qasim
Reg No# 2023-BSE-066
```
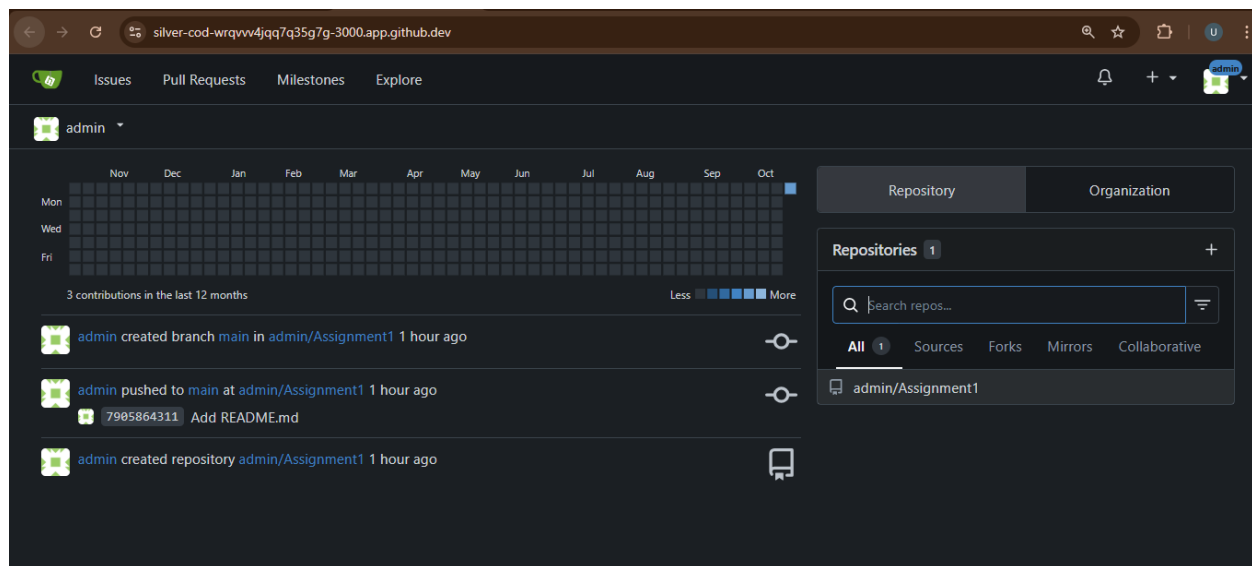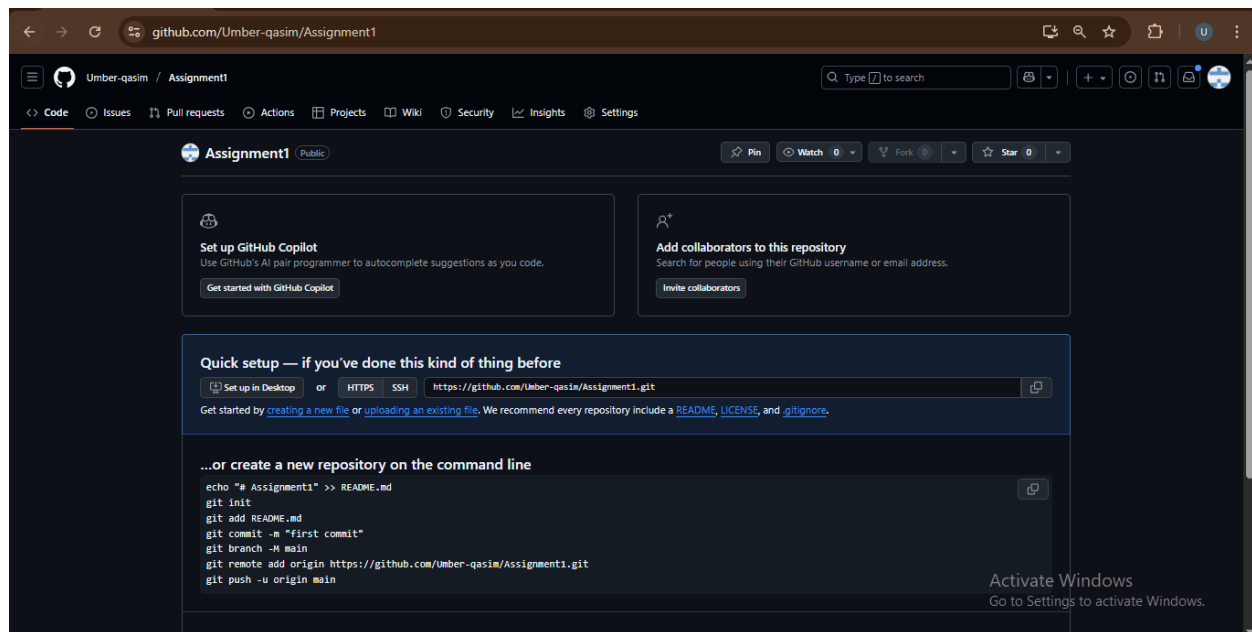

Task#02:

Mirror README.md from Gitea to GitHub.

Answer:

1. **Create GitHub Repository:**

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


```
HP@DESKTOP-BGN0K42 MINGW64 ~/Assignment1 (main)
$ git remote add github https://github.com/Umber-qasim/Assignment1.git

HP@DESKTOP-BGN0K42 MINGW64 ~/Assignment1 (main)
$ git push -u github main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 260 bytes | 130.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Umber-qasim/Assignment1.git
 * [new branch]      main -> main
branch 'main' set up to track 'github/main'.
```
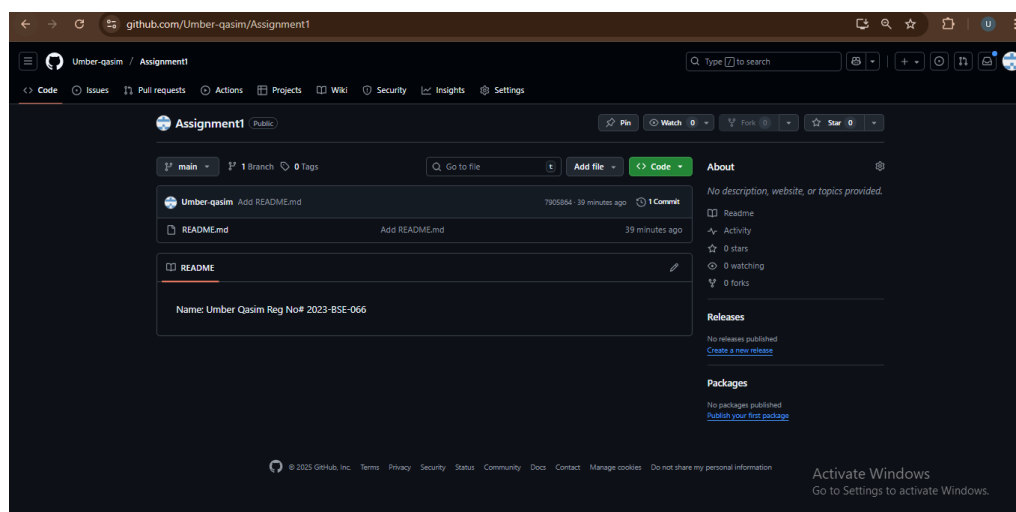


```
github  https://github.com/Umber-qasim/Assignment1.git (fetch)
github  https://github.com/Umber-qasim/Assignment1.git (push)
```

Task#03:

Use Git LFS for Large Files.

Answer:

1. **Install Git LFS:**

```
HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (main)
$ git lfs install
Updated Git hooks.
Git LFS initialized.

HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (main)
$ fsutil file createnew bigfile1.zip 136314880
File C:\Users\HP\Assignment1\bigfile1.zip is created

HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (main)
$ fsutil file createnew bigfile2.zip 136314880
File C:\Users\HP\Assignment1\bigfile2.zip is created

HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (main)
$ fsutil file createnew bigfile3.zip 136314880
File C:\Users\HP\Assignment1\bigfile3.zip is created
```

2. **Add Large Files:**

```
HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (main)
$ git lfs track "*.zip"
Tracking "*.zip"

HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (main)
$ git add .gitattributes

HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (main)
$ git add bigfile1.zip bigfile2.zip bigfile3.zip

HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (main)
$ git commit -m "Add large files tracked with Git LFS"
[main 17952ff] Add large files tracked with Git LFS
 4 files changed, 10 insertions(+)
 create mode 100644 .gitattributes
 create mode 100644 bigfile1.zip
 create mode 100644 bigfile2.zip
 create mode 100644 bigfile3.zip

HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (main)
$ git push
Uploading LFS objects: 100% (1/1), 136 MB | 1.5 MB/s, done.
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 512 bytes | 256.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Umber-qasim/Assignment1.git
   7905864..17952ff  main -> main
```
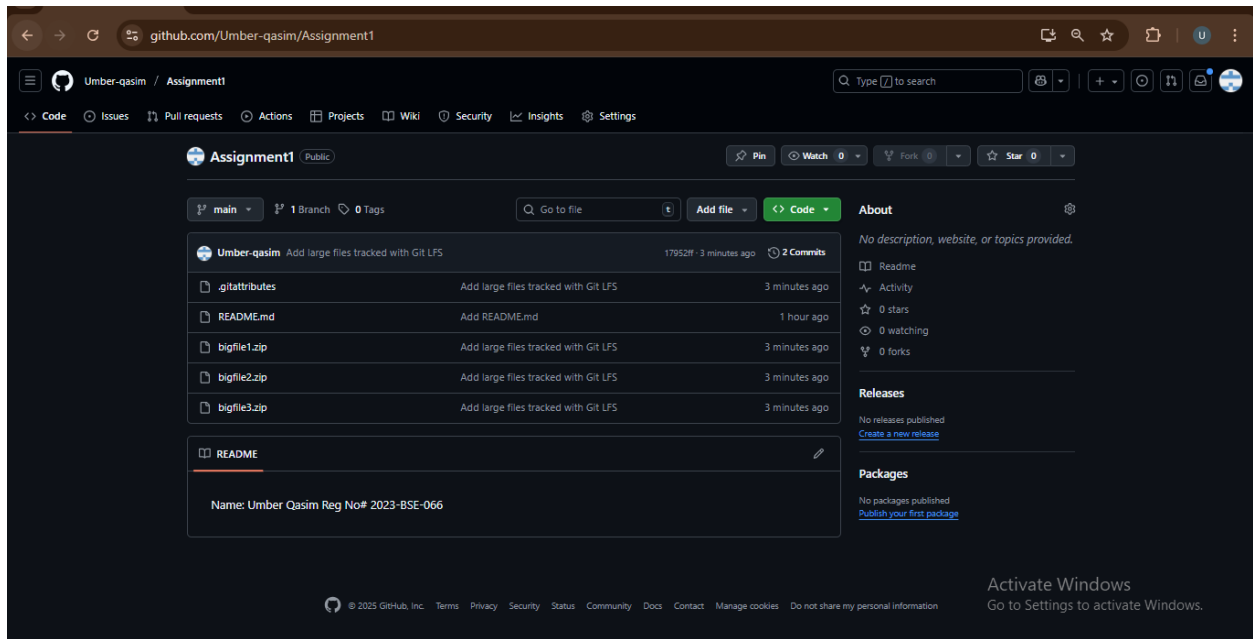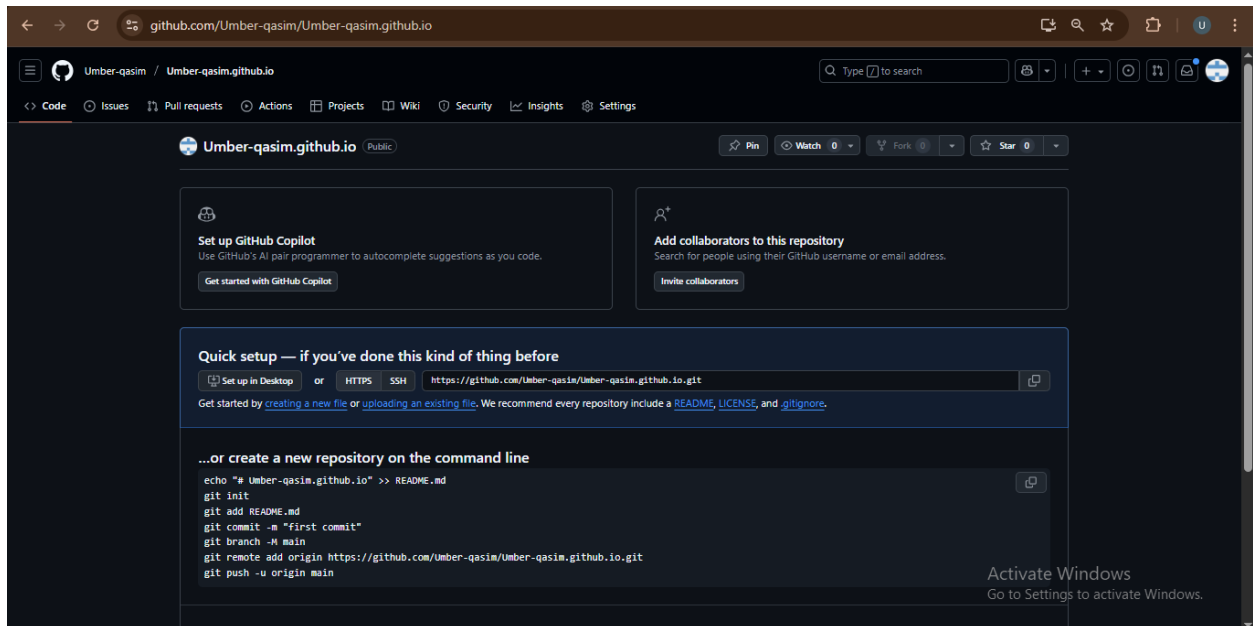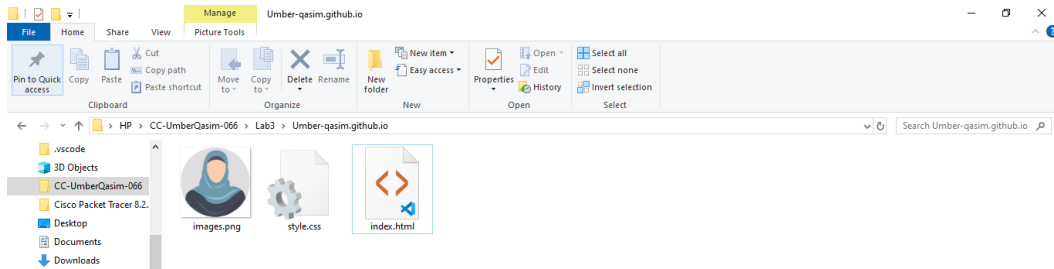
3. **Reference in Assignment Repo:**

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:


```
HP@DESKTOP-BGN0K42 MINGW64 ~
$ cd "C:\Users\HP\CC-UmberQasim-066\Lab3\Umber-qasim.github.io"

HP@DESKTOP-BGN0K42 MINGW64 ~/CC-UmberQasim-066/Lab3/Umber-qasim.github.io (test-force)
$ ls
images.png  index.html  style.css

HP@DESKTOP-BGN0K42 MINGW64 ~/CC-UmberQasim-066/Lab3/Umber-qasim.github.io (test-force)
$ git init
Initialized empty Git repository in C:/Users/HP/CC-UmberQasim-066/Lab3/Umber-qasim.github.io/.git/

HP@DESKTOP-BGN0K42 MINGW64 ~/CC-UmberQasim-066/Lab3/Umber-qasim.github.io (master)
$ git branch -M main

HP@DESKTOP-BGN0K42 MINGW64 ~/CC-UmberQasim-066/Lab3/Umber-qasim.github.io (main)
$ git remote add origin https://github.com/Umber-qasim/Umber-qasim.github.io.git

HP@DESKTOP-BGN0K42 MINGW64 ~/CC-UmberQasim-066/Lab3/Umber-qasim.github.io (main)
$ git add .
warning: in the working copy of 'style.css', LF will be replaced by CRLF the next time G
it touches it

HP@DESKTOP-BGN0K42 MINGW64 ~/CC-UmberQasim-066/Lab3/Umber-qasim.github.io (main)
$ git commit -m "Add portfolio site for GitHub Pages"
[main (root-commit) 120371e] Add portfolio site for GitHub Pages
 3 files changed, 299 insertions(+)
 create mode 100644 images.png
 create mode 100644 index.html
 create mode 100644 style.css

HP@DESKTOP-BGN0K42 MINGW64 ~/CC-UmberQasim-066/Lab3/Umber-qasim.github.io (main)
$ git push -u origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 7.96 KiB | 2.65 MiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Umber-qasim/Umber-qasim.github.io.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```
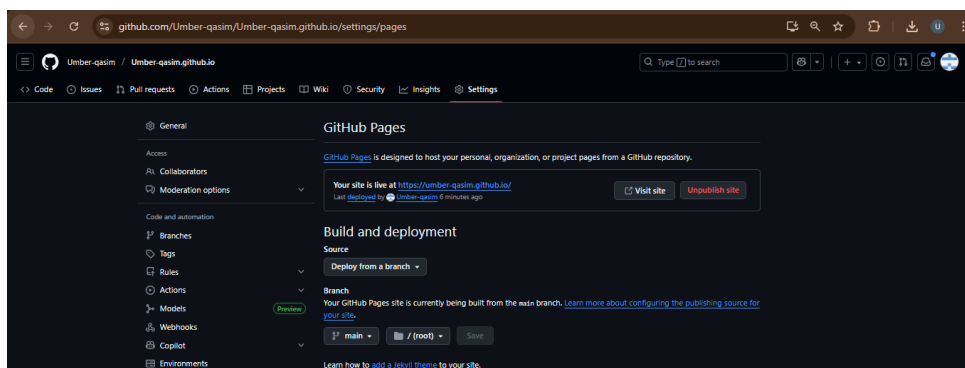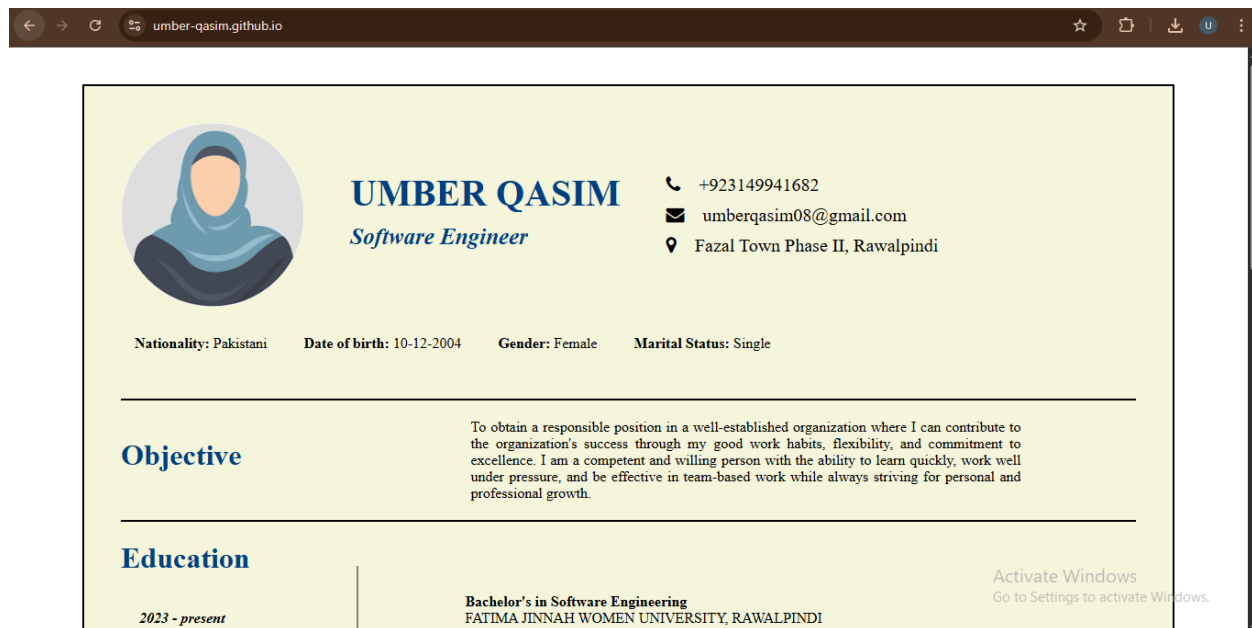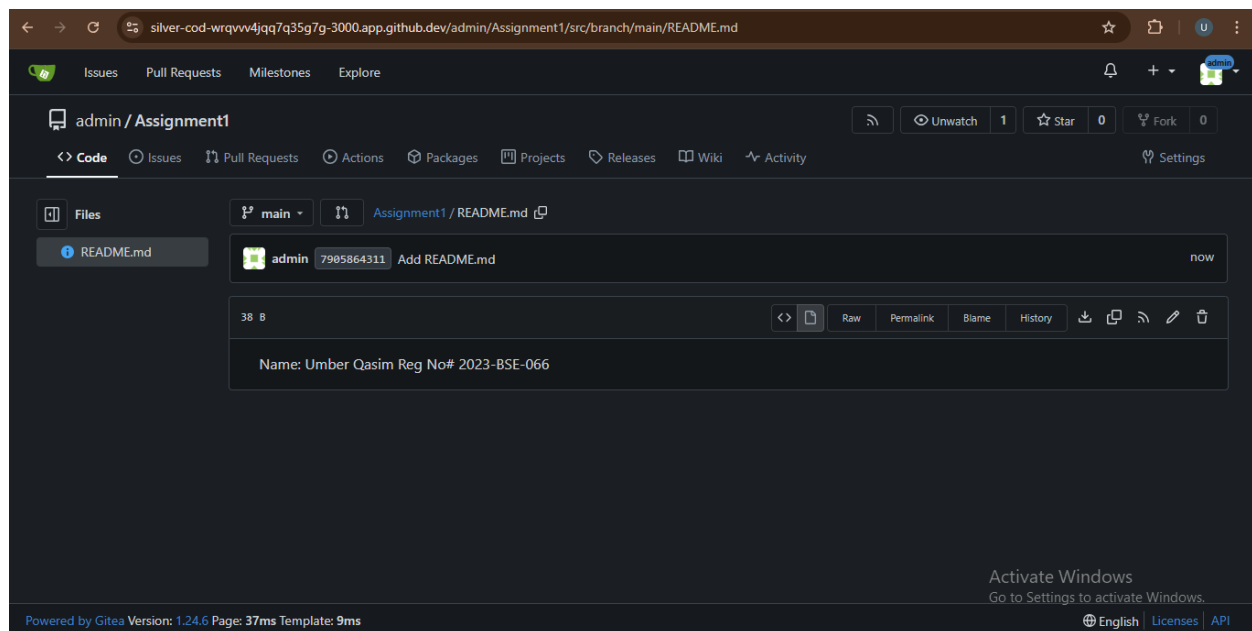
Submission Checklist:

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/Assignment1

Screenshot or output of git remote -v showing both remotes

```
HP@DESKTOP-BGNOK42 MINGW64 ~/Assignment1 (main)
$ git remote -v
gitea    https://admin:e1cf6eced6d3f49d51847f6da1422aba741a0d6d@silver-cod-wrqvvv4jqq7q35g7g-3000.app.github.dev/admin/Assignment1.git (fetch)
gitea    https://admin:e1cf6eced6d3f49d51847f6da1422aba741a0d6d@silver-cod-wrqvvv4jqq7q35g7g-3000.app.github.dev/admin/Assignment1.git (push)
github   https://github.com/Umber-qasim/Assignment1.git (fetch)
github   https://github.com/Umber-qasim/Assignment1.git (push)
```

GitHub Pages link to your CV/portfolio

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