Assigment # 01

Cloud Computing

Department of Software Engineering

Submitted By:

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Class & Section:	BSE 5-B

Submitted To:

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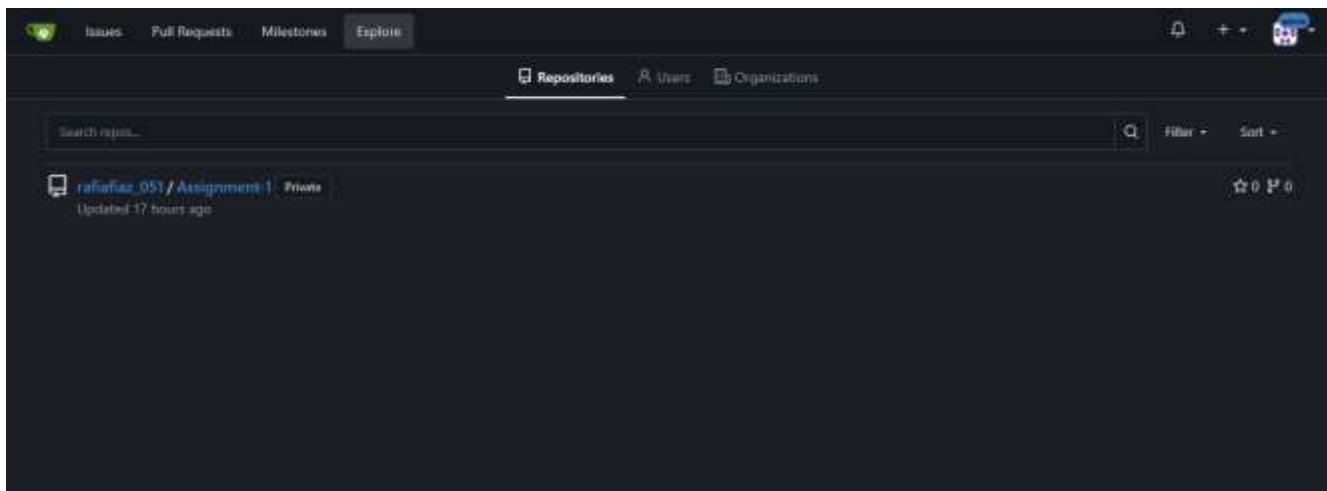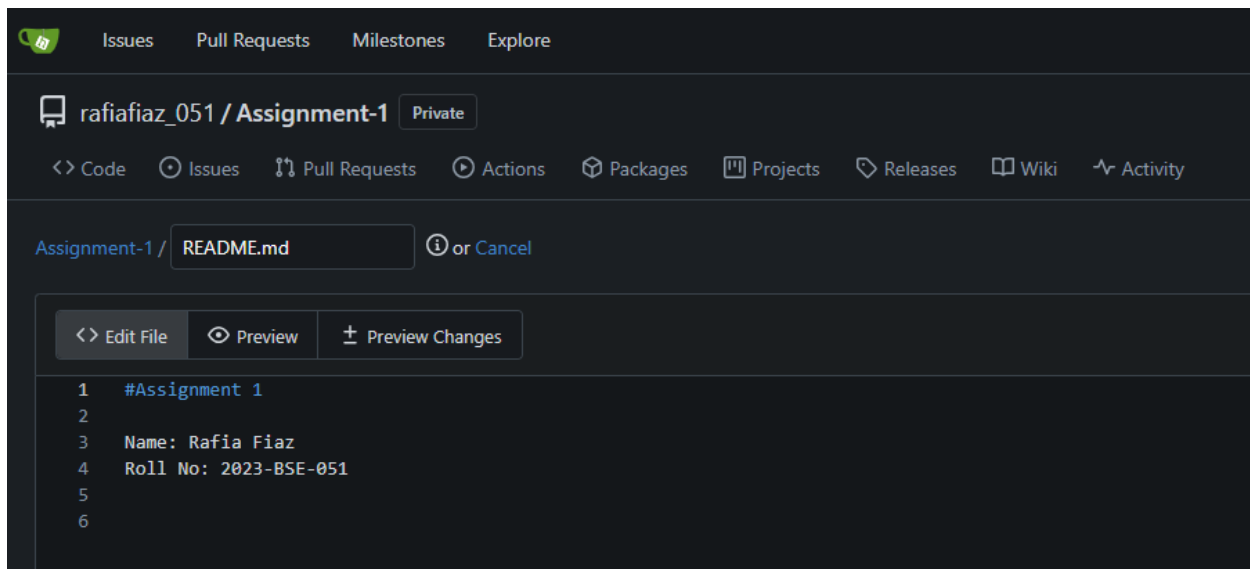
Task 1:

Run Gitea in Codespace and Create an Initial Repo

- **New repository on gitea server:**

- **Added README.md file on gitea repo:**

- **Connection with gitbash:**

- **Checking README.md exists in local branch:**

```
Mehwish@Home MINGW64 ~/Documents (main)
$ cat README.md
#Assignment 1

Name: Rafia Fiaz
Roll No: 2023-BSE-051
```

- **Added another line in README.md:**

```
Mehwish@Home MINGW64 ~/Documents (main)
$ echo "New file added from gitbash" >> README.md

Mehwish@Home MINGW64 ~/Documents (main)
$ cat README.md
#Assignment 1

Name: Rafia Fiaz
Roll No: 2023-BSE-051

New file added from gitbash
```

- **Commit**

```
Mehwish@Home MINGW64 ~/Documents/Assignment-1 (main)
$ git add .
git commit -m "Local commit"
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
[main e265603] Local commit
 1 file changed, 1 insertion(+)
```

- **Push to gitea:**

```
Mehwish@Home MINGW64 ~/Documents/Assignment-1 (main)
$ git push -u gitea main
Locking support detected on remote "gitea". Consider enabling it with:
  $ git config lfs.https://curly-garbanzo-4jpg66vxwr4jh446-3000.app.github.dev/rafiafiaz_051/Assignment-1.git/info/lfs.locksverify tru
e
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 710 bytes | 236.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: . Processing 1 references
remote: Processed 1 references in total
To https://curly-garbanzo-4jpg66vxwr4jh446-3000.app.github.dev/rafiafiaz_051/Assignment-1.git
   108c45a..89142f2  main -> main
branch 'main' set up to track 'gitea/main'.
```

- **Local Commit is shown on gitea GUI:**

main ⌄	↕	Go to file	Add File ⌄		<> Code ⌄
🧑 Rafia Fiaz `89142f205b` Local commit					15 minutes ago
🔶 .gitattributes		Add large files with Git LFS tracking			17 minutes ago
ℹ️ README.md		Local commit			15 minutes ago

📖 README.md   ✏️

> #Assignment 1
>
> Name: Rafia Fiaz Roll No: 2023-BSE-051
>
> New file added from gitbash

Task 2:

Mirror README.md from Gitea to GitHub

- **Created a github Repository "Assignment-1"**
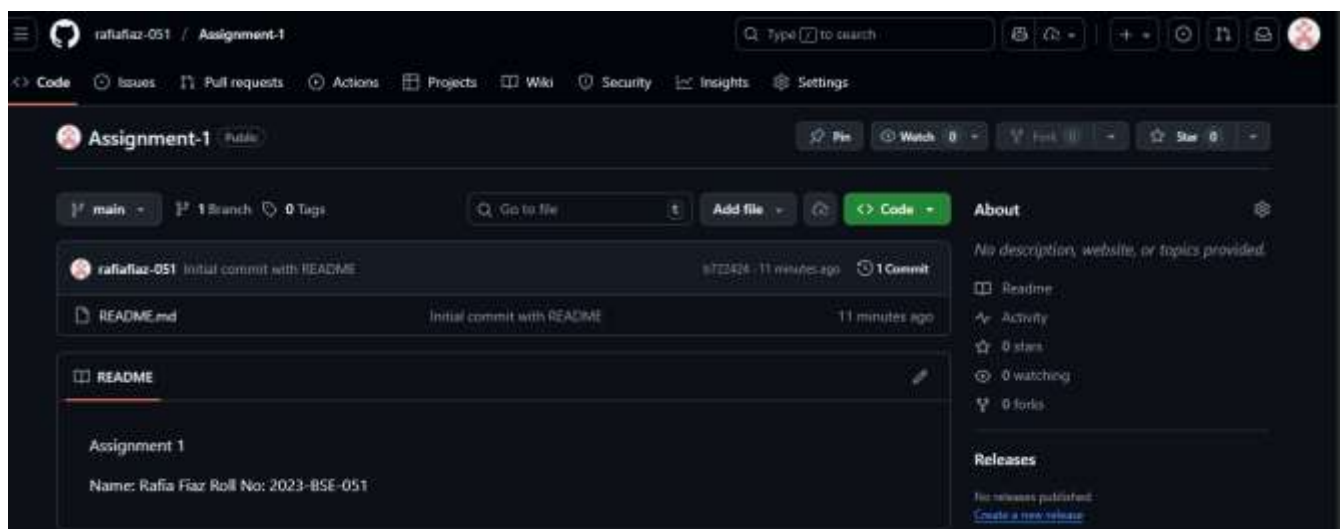- **Added GITHUB as a second remote:**

```
Mehwish@Home MINGW64 ~/Documents/Assignment-1 (main)
$ git remote add github https://github.com/rafiafiaz-051/assignment1.git
git remote -v
error: remote github already exists.
github  https://github.com/rafiafiaz-051/assignment1.git (fetch)
github  https://github.com/rafiafiaz-051/assignment1.git (push)

Mehwish@Home MINGW64 ~/Documents/Assignment-1 (main)
$ git remote -v
github  https://github.com/rafiafiaz-051/assignment1.git (fetch)
github  https://github.com/rafiafiaz-051/assignment1.git (push)
```

- **Pushed README.md to Github:**

```
Mehwish@Home MINGW64 ~/Documents/Assignment-1 (main)
$ git push -u github main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 288 bytes | 72.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/rafiafiaz-051/Assignment-1.git
 * [new branch]      main -> main
branch 'main' set up to track 'github/main'.
```

- **Verifying README.md is pushed to Github repo:**

- **Showing both remotes i.e; Gitea & Github:**

```
Mehwish@Home MINGW64 ~/Documents/Assignment-1 (main)
$ git remote -v
gitea    https://curly-garbanzo-4jpg66vxwr4jh446-3000.app.github.dev/rafiafiaz_051/Assignment-1.git (fetch)
gitea    https://curly-garbanzo-4jpg66vxwr4jh446-3000.app.github.dev/rafiafiaz_051/Assignment-1.git (push)
github   https://github.com/rafiafiaz-051/Assignment-1.git (fetch)
github   https://github.com/rafiafiaz-051/Assignment-1.git (push)
```

<mark>Task 3:</mark>

Use Git LFS for Large Files
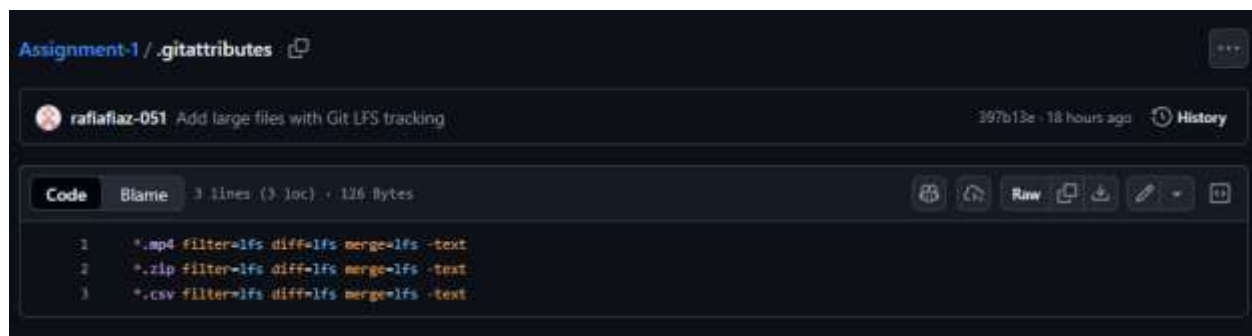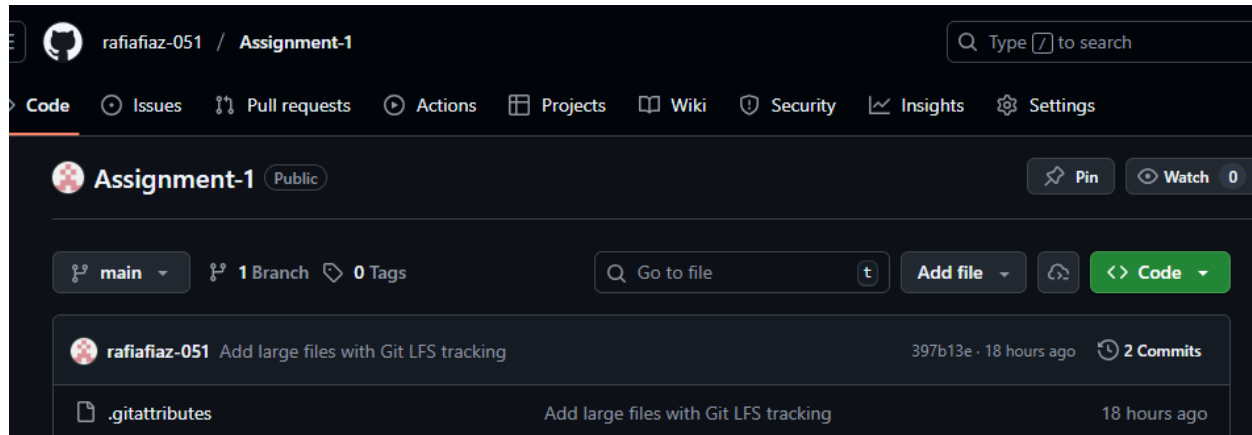
- **Installed Git LFS & Added large files:**

```
Mehwish@Home MINGW64 ~/Documents/Assignment-1 (main)
$ git lfs install
Updated Git hooks.
Git LFS initialized.

Mehwish@Home MINGW64 ~/Documents/Assignment-1 (main)
$ git lfs track "*.mp4"
git lfs track "*.zip"
git lfs track "*.csv"
Tracking "*.mp4"
Tracking "*.zip"
Tracking "*.csv"

Mehwish@Home MINGW64 ~/Documents/Assignment-1 (main)
$ git add .gitattributes
git add video.mp4 data.zip dataset.csv
git commit -m "Add large files with Git LFS tracking"
fatal: pathspec 'video.mp4' did not match any files
[main 397b13e] Add large files with Git LFS tracking
 1 file changed, 3 insertions(+)
 create mode 100644 .gitattributes

Mehwish@Home MINGW64 ~/Documents/Assignment-1 (main)
$ git push github main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 362 bytes | 120.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/rafiafiaz-051/Assignment-1.git
   b722424..397b13e  main -> main
```

- **Reference in Assignment-1 repo:**

Create a Portfolio/CV with GitHub Pages

- **Designed Portfolio & pushed into 'rafiafiaz-051.github.io' repo:**

```
Mehwish@Home MINGW64 ~/Documents/rafiafiaz-051.github.io (master)
$ echo "<!DOCTYPE html>
<html>
<head>
<title>Rafia Fiaz - Portfolio</title>
</head>
<body>
<h1>Welcome to My Portfolio</h1>
<p>Name: Rafia Fiaz</p>
<p>Roll No: 051</p>
<p>This is my GitHub Pages portfolio.</p>
</body>
</html>" > index.html

Mehwish@Home MINGW64 ~/Documents/rafiafiaz-051.github.io (master)
$ git init
git add .
git commit -m "Initial portfolio site"
Reinitialized existing Git repository in C:/Users/Mehwish/Documents/rafiafiaz-051.github.io/.git/
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

Mehwish@Home MINGW64 ~/Documents/rafiafiaz-051.github.io (master)
$ git remote add origin https://github.com/rafiafiaz-051/rafiafiaz-051.github.io.git
git push -u origin master
error: remote origin already exists.
branch 'master' set up to track 'origin/master'.
Everything up-to-date
```

- **Published Site:**

GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

Your site is live at https://rafiafiaz-051.github.io/
Last deployed by rafiafiaz-051 7 minutes ago

[⧉ Visit site] [Unpublish site]

← → C ⊟ rafiafiaz-051.github.io

<!DOCTYPE html>

Welcome to My Portfolio

Name: Rafia Fiaz

Roll No: 051

This is my GitHub Pages portfolio.