



Assignment # 01

Cloud Computing

Department of Software Engineering

Submitted By:

Name: Rafia Fiaz

Roll No: 2023-BSE-051

Class & Section: BSE 5-B

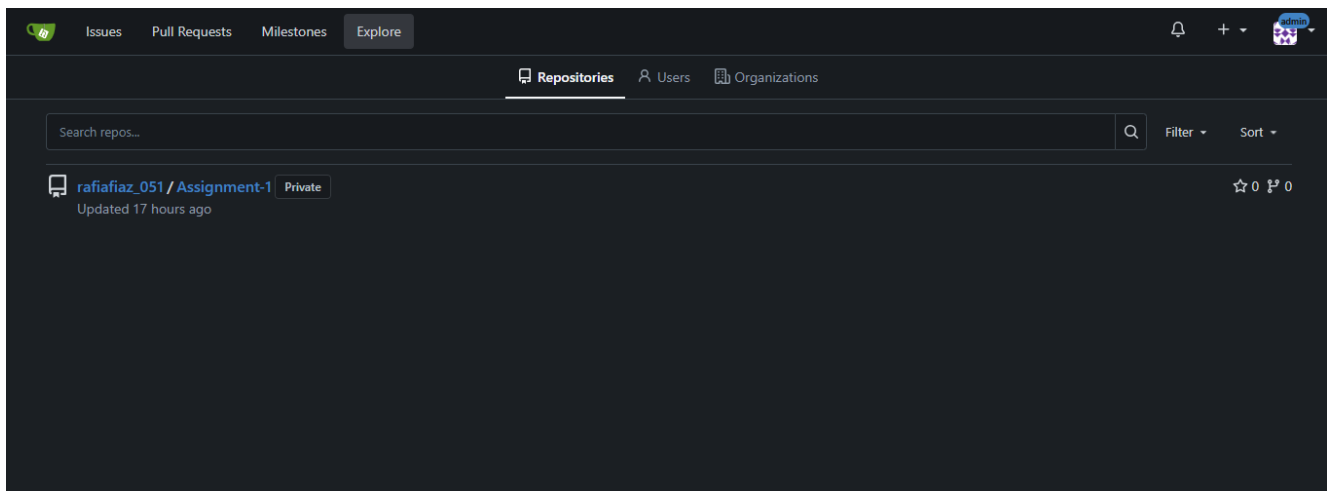
Submitted To:

Sir Waqas Saleem

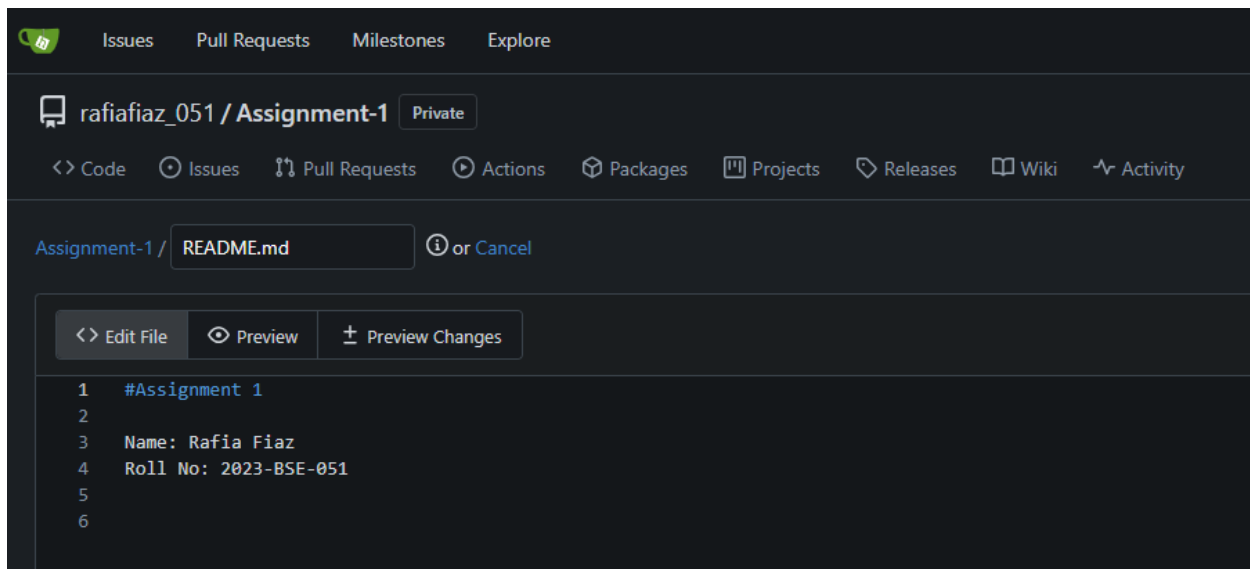
Task 1:

Run Gitea in Codespace and Create an Initial Repo

- New repository on gitea server:



- Added README.md file on gitea repo:



- Connection with gitbash:

```

Mehwish@Home MINGW64 ~/Documents
$ git init
Initialized empty Git repository in C:/Users/Mehwish/Documents/.git/

Mehwish@Home MINGW64 ~/Documents (master)
$ git remote add gitea https://Admin:1d13e0e78d8351fb42787585c5f878fb262bf55c@curly-garbanzo-4jpg66vxwr4jh446-3000.app.git
hub.dev/rafiafiaz_051/Assignment-1.git

Mehwish@Home MINGW64 ~/Documents (master)
$ git pull
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (6/6), 547 bytes | 16.00 KiB/s, done.
From https://curly-garbanzo-4jpg66vxwr4jh446-3000.app.github.dev/rafiafiaz_051/Assignment-1
* [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

Mehwish@Home MINGW64 ~/Documents (master)
$ git branch -M main

Mehwish@Home MINGW64 ~/Documents (main)
$ git pull gitea main
From https://curly-garbanzo-4jpg66vxwr4jh446-3000.app.github.dev/rafiafiaz_051/Assignment-1
* branch            main      -> FETCH_HEAD

```

- 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 true
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:

The screenshot shows the Gitea web interface. At the top, there's a navigation bar with 'main' selected, 'Go to file', 'Add File', and a '<> Code' button. Below this, a commit history table is displayed:

Commit Hash	Author	Message	Time
89142f205b	Rafia Fiaz	Local commit	15 minutes ago
		.gitattributes	17 minutes ago
		README.md	15 minutes ago

Below the table, the content of the selected file 'README.md' is shown. It contains the following text:

```
#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:

The screenshot displays the GitHub interface for a repository named "Assignment-1" owned by "rafiafiaz-051". The repository is marked as "Public". At the top, navigation tabs include Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below these, repository statistics are shown: 1 Branch (main), 0 Tags, 0 Watchers, 0 Forks, and 0 Stars. The commit history shows a single commit titled "Initial commit with README" by "rafiafiaz-051" made 11 minutes ago. The README file is listed, and its content is displayed in a preview: "Assignment 1" followed by "Name: Rafia Fiaz Roll No: 2023-BSE-051". The right-hand sidebar contains an "About" section with no description, a "Readme" link, and repository statistics (0 stars, 0 watching, 0 forks). Below this is a "Releases" section indicating no releases are published.

- 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)
```

Task 3:

Use Git LFS for Large Files

- Installed Git LFS & Added large files:

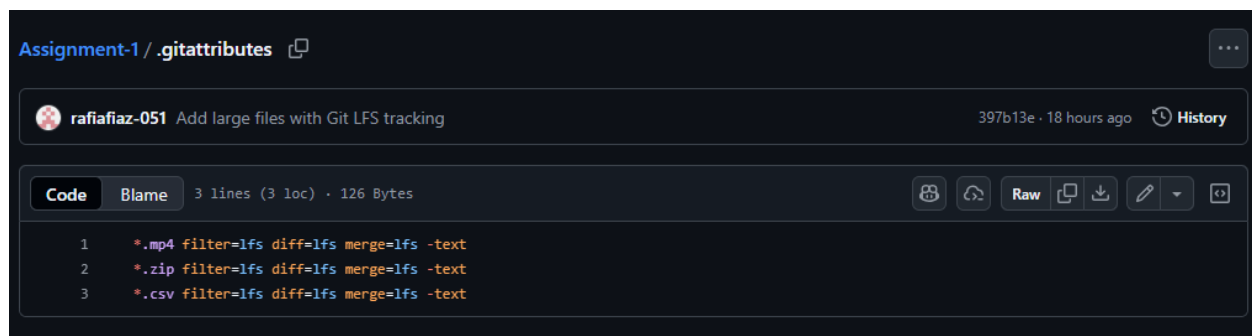
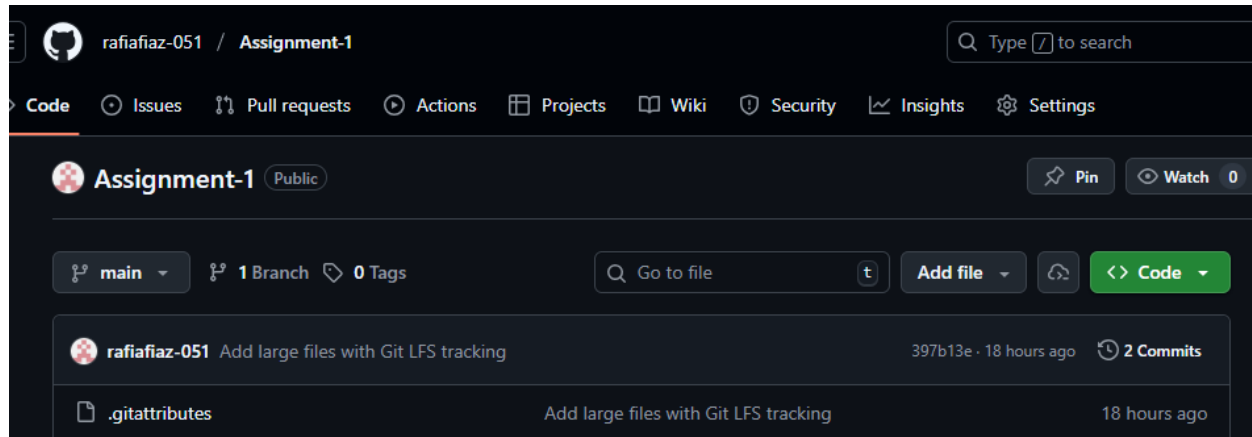
```
Mehwish@Home MINGW64 ~/Documents/Assignment-1 (main)
$ git lfs install
Updated Git hooks.
Git LFS initialized.

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:



Task 4:

Create a Portfolio/CV with GitHub Pages

Create a new repository

Repositories contain a project's files and version history. Have a project elsewhere? [Import a repository](#).
Required fields are marked with an asterisk (*).

1

General

Owner *

rafiarafiaz-051

Repository name *

rafiarafiaz-051.github.io

✔ rafiarafiaz-051.github.io is available.

Great repository names are short and memorable. How about **expert-system**?

Description

0 / 350 characters

2

Configuration

Choose visibility *

Public

- 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](#)

