

# CLOUD COMPUTING

## Assignment 01

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**Roll no:** 2023-BSE-001

**Submitted to:** Sir. Waqas Saleem

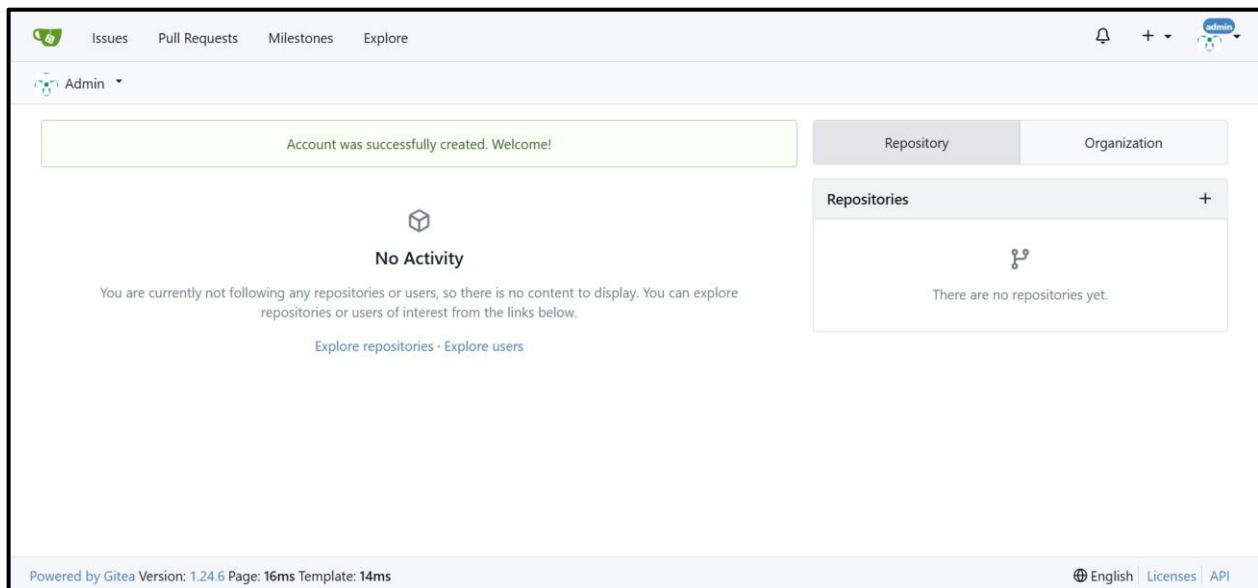
A series of five parallel diagonal lines in a light blue color, extending from the bottom left towards the top right of the page.

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

### 1. Set up Gitea

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS 2  bash + - [ ] [ ] ... | [ ]

@AbihaNadeem005 →/workspaces/Assignment-01 (main) $ nano docker-comapose.yml
@AbihaNadeem005 →/workspaces/Assignment-01 (main) $ docker compose up -d
WARN[0000] /workspaces/Assignment-01/docker-compose.yml: the attribute `version`
is obsolete, it will be ignored, please remove it to avoid potential confusion
[+] Running 2/2
  ✓ Container assignment-01-db-1      Runni...      0.0s
  ✓ Container assignment-01-gitea-1   Ru...       0.0s
@AbihaNadeem005 →/workspaces/Assignment-01 (main) $
```



## Add Remote Repo:

```
MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01
$ git init
Initialized empty Git repository in F:/Assignment-01/.git/

MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (master)
$ git remote add gitea https://Abiha:3b19489f28fcef85356027a26f4cb92c435f129b@laughing-funicular-q75qx49rgrp9fxpvp-3000.app.github.dev/Abiha/Repo1.git
```

```
MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (master)
$ git branch -M main

MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ git pull gitea main
fatal: repository 'https://laughing-funicular-q75qx49rgrp9fxpvp-3000.app.github.dev/Abiha/Repo1.git/' not found

MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ git pull gitea main
warning: auto-detection of host provider took too long (>2000ms)
warning: see https://aka.ms/gcm/autodetect for more information.
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), 221 bytes | 20.00 KiB/s, done.
From https://laughing-funicular-q75qx49rgrp9fxpvp-3000.app.github.dev/Abiha/Repo1
 * branch                main          -> FETCH_HEAD
 * [new branch]          main          -> gitea/main
```

```
MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ ls
README.md

MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ cat README.md
Abiha Nadeem
2023-BSE-001

MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ echo "My Data" >> README.md

MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ cat README.md
Abiha Nadeem
2023-BSE-001
My Data

MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ git add .
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
```

```
MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ git commit -m "Local commit"
[main a506926] Local commit
1 file changed, 1 insertion(+)

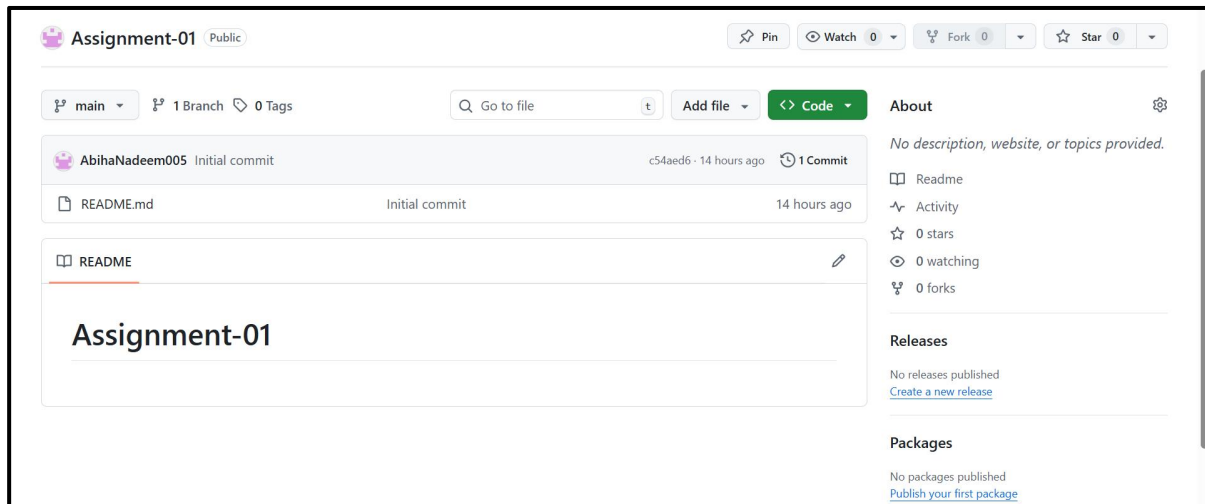
MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ git push -u gitea main
warning: auto-detection of host provider took too long (>2000ms)
warning: see https://aka.ms/gcm/autodetect for more information.
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Writing objects: 100% (3/3), 282 bytes | 282.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: . Processing 1 references
remote: Processed 1 references in total
To https://laughing-funicular-q75qx49rg9fxpvp-3000.app.github.dev/Abiha/Repo1.
git
    2a6b00b..a506926  main -> main
branch 'main' set up to track 'gitea/main'.

MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ |
```

The screenshot displays the Gitea web interface for a repository named 'Abiha / Repo1'. The top navigation bar includes links for Issues, Pull Requests, Milestones, and Explore. Below the repository name, there are buttons for Unwatch, Star, and Fork. The 'Code' tab is selected, showing a file named 'README.md' with a commit hash 'a506926d5b' and the commit message 'Local commit'. The file content is 'Abiha Nadeem 2023-BSE-001 My Data'.

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

### Create GitHub Repository:

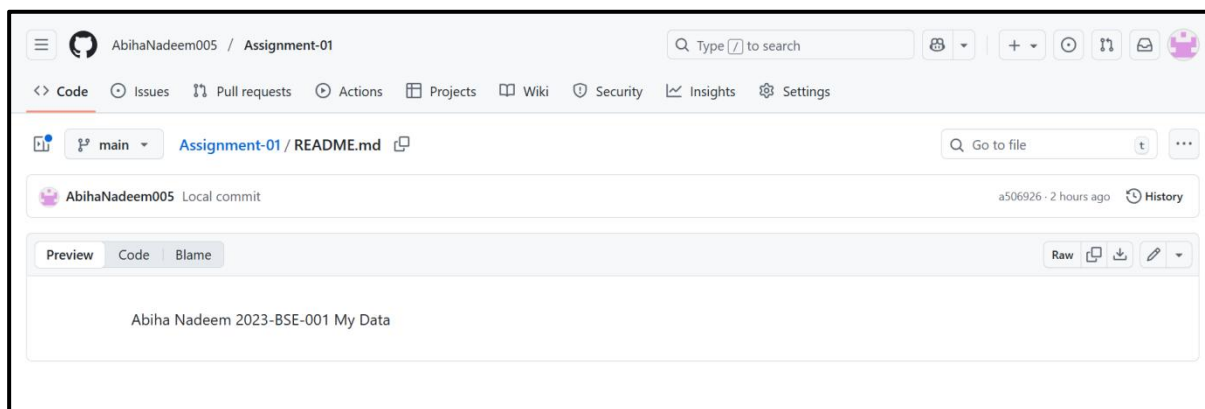


### Add GitHub as a Second Remote:

```
MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ git remote add github https://github.com/AbihaNadeem005/Assignment-01

MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$
```

### Push the README.md File to GitHub:





## Verify Remotes:

```
MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ git remote -v
gitea https://Abiha:3b19489f28fcef85356027a26f4cb92c435f129b@laughing-funicular-q75qx49rgrp9
fxpvp-3000.app.github.dev/Abiha/Repo1.git (fetch)
gitea https://Abiha:3b19489f28fcef85356027a26f4cb92c435f129b@laughing-funicular-q75qx49rgrp9
fxpvp-3000.app.github.dev/Abiha/Repo1.git (push)
github https://github.com/AbihaNadeem005/Assignment-01 (fetch)
github https://github.com/AbihaNadeem005/Assignment-01 (push)
```

## Task 3: Use Git LFS for Large Files

### Install Git LFS:

```
MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ git lfs install
Updated Git hooks.
Git LFS initialized.
```

### Add Large Files:

```
MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ head -c 120M </dev/urandom > dataset1.zip
head -c 130M </dev/urandom > video1.mp4
head -c 150M </dev/urandom > backup.rar
```

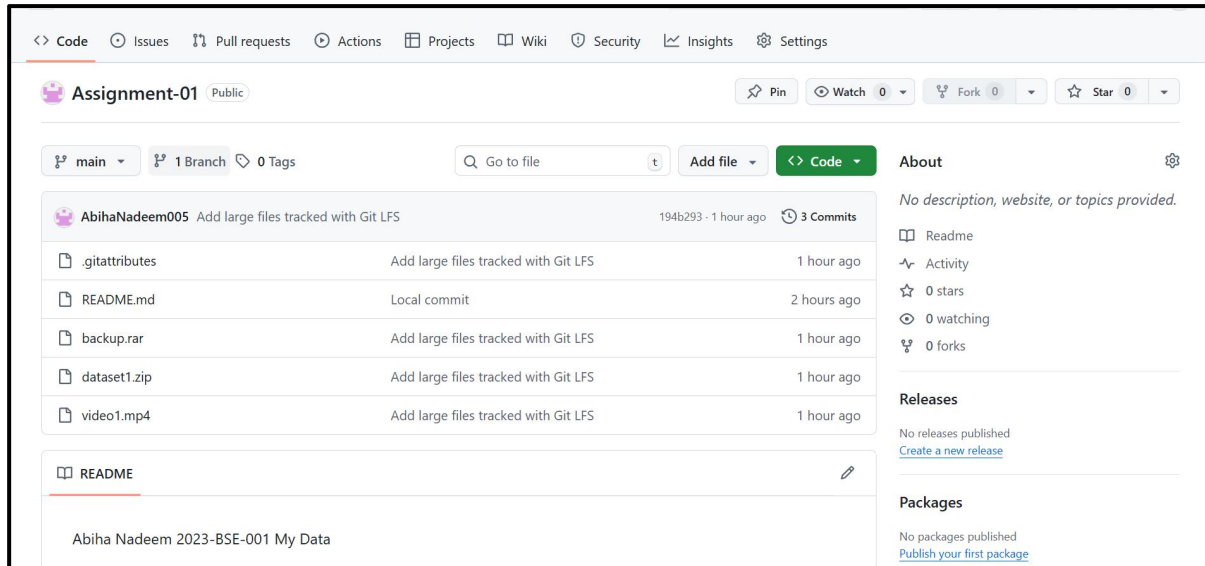
```
MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ git lfs track "*.zip"
git lfs track "*.mp4"
git lfs track "*.rar"
Tracking "*.zip"
Tracking "*.mp4"
Tracking "*.rar"
```

### Reference in Assignment Repo:

```
MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ git add .

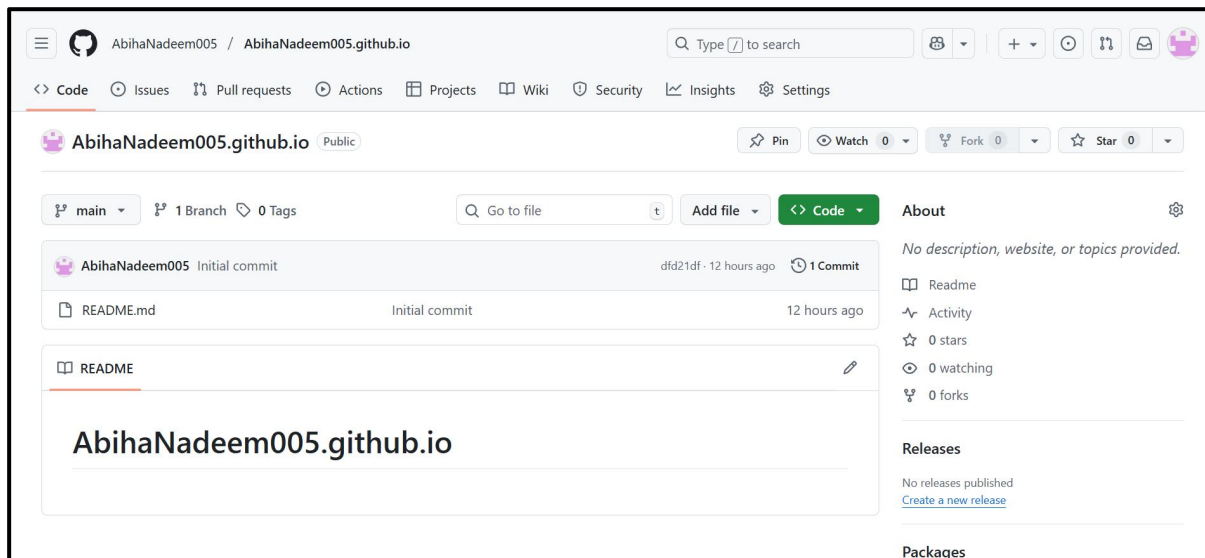
MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ git commit -m "Add large files tracked with Git LFS"
[main 194b293] Add large files tracked with Git LFS
4 files changed, 12 insertions(+)
create mode 100644 .gitattributes
create mode 100644 backup.rar
create mode 100644 dataset1.zip
create mode 100644 video1.mp4

MOHSIN@DESKTOP-UIDARLS MINGW64 /f/Assignment-01 (main)
$ git push -u github main
Uploading LFS objects: 100% (3/3), 930 MB | 957 KB/s, done.
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 824 bytes | 137.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/AbihaNadeem005/Assignment-01
a506926..194b293 main -> main
branch 'main' set up to track 'github/main'.
```



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

### Create a new repository for GitHub Pages:



### Publish with GitHub Pages:

```
MOHSIN@DESKTOP-UIDARLS MINGW64 /f/My portfolio (main)
$ git push -u origin main
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 4 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (8/8), 3.22 KiB | 1.07 MiB/s, done.
Total 8 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/AbihaNadeem005/AbihaNadeem005.github.io.git
 dfd21df..0eea5cf main -> main
branch 'main' set up to track 'origin/main'.

MOHSIN@DESKTOP-UIDARLS MINGW64 /f/My portfolio (main)
$ |
```

AbihaNadeem005 / AbihaNadeem005.github.io

Type to search

<> Code

Issues

Pull requests

Actions

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Wiki

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Insights

Settings

AbihaNadeem005.github.io

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Watch 0

Fork 0

Star 0

main 1 Branch 0 Tags

Go to file

Add file

Code

AbihaNadeem005 Merge branch 'main' of https://github.com/AbihaNadeem005...

00ea5cf · 4 minutes ago 3 Commits

.vscode	My CV	8 minutes ago
README.md	Initial commit	13 hours ago
index.html	My CV	8 minutes ago
style.css	My CV	8 minutes ago

README

About

No description, website, or topics provided.

Readme

Activity

0 stars

0 watching

0 forks

Releases

No releases published

Create a new release

Packages

AbihaNadeem005.github.io

Abiha Nadeem

Video Editor

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Peshawar road, Rawalpindi

Nationality: Pakistani

Date of birth: 5-01-2005

Gender: Female

Marital Status: Single

Objective

To obtain a responsible position in a well-established organization where I can contribute to the organization's success through my good work habits, flexibility, and commitment to excellence. I am a competent and willing person with the ability to learn quickly, work well under pressure, and be effective in team-based work while always striving for personal and professional growth.

<https://abihanadeem005.github.io/>

<https://github.com/AbihaNadeem005/Assignment-01>

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