

## Experiment 3

**AIM: Create a GitHub/GitLab repository and upload sample code**

Step 1: Download from <https://git-scm.com>

Step 2: Configuration

```
git config --global user.name " dharmiktrada "
```

```
git config --global user.email "dharmik.pvt21@gmail.com"
```

Step 3:

Z:\>C:

C:\>cd users

Reinitialized existing Git repository in C:/Users

C:\Users>cd student

C:\Users\student>cd desktop

C:\Users\student\Desktop>git init

Initialized empty Git repository in C:/Users/student/Desktop/.git/

C:\Users\student\Desktop>git --version  
git version 2.52.0.windows.1

C:\Users\student\Desktop>git init

Reinitialized existing Git repository in C:/Users/student/Desktop/.git/

C:\Users\student\Desktop>mkdir OST

C:\Users\student\Desktop>cd OST

C:\Users\student\Desktop\OST>git init

Initialized empty Git repository in C:/Users/student/Desktop/OST/.git/

C:\Users\student\Desktop\OST>echo index.html  
index.html

C:\Users\student\Desktop\OST>git add index.html

```
C:\Users\student\Desktop\OST>git commit
```

Aborting commit due to empty commit message.

```
C:\Users\student\Desktop\OST>git commit -m "Update in dev"
```

```
[master (root-commit) 9f384b4] Update in dev
```

```
Committer: Students <student@mefgi.com>
```

Your name and email address were configured automatically based on your username and hostname. Please check that they are accurate. You can suppress this message by setting them explicitly. Run the following command and follow the instructions in your editor to edit your configuration file:

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 11 insertions(+)
```

```
create mode 100644 index.html
```

```
C:\Users\student\Desktop\OST>git remote add origin https://github.com/Dharmik Trada/Demo
```

```
C:\Users\student\Desktop\OST>git branch -M main
```

```
C:\Users\student\Desktop\OST>git push -u origin main
```

info: please complete authentication in your browser...

```
To https://github.com/ Dharmik Trada /Demo
```

```
! [rejected]      main -> main (fetch first)
```

```
error: failed to push some refs to 'https://github.com/ Dharmik Trada /Demo' hint: Updates were rejected because the remote contains work that you do not hint: have locally. This is usually caused by another repository pushing to hint: the same ref. If you want to integrate the remote changes, use hint: 'git pull' before pushing again.
```

```
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

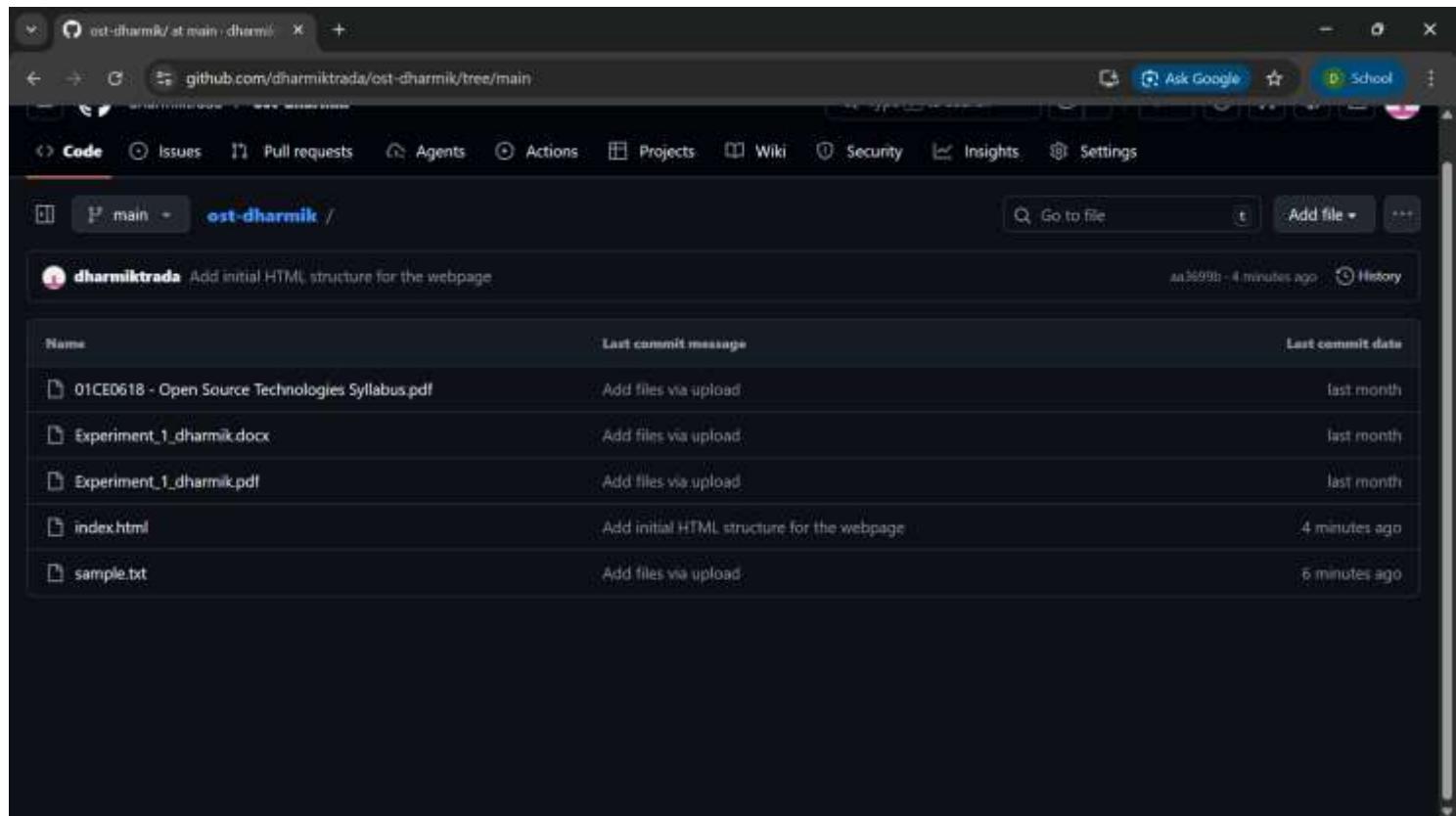
```
C:\Users\student\Desktop\OST>git pull origin main --allow-unrelated-histories
```

```
remote: Enumerating objects: 13, done.  
remote: Counting objects: 100% (13/13), done.  
remote: Compressing objects: 100% (9/9), done.  
remote: Total 13 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)  
Unpacking objects: 100% (13/13), 49.00 KiB | 706.00 KiB/s, done.  
From https://github.com/koradiyavasu/Demo  
 * branch      main    -> FETCH_HEAD  
 * [new branch] main    -> origin/main  
Merge made by the 'ort' strategy.  
 OST          | 1 +  
 OST_Experiment-1.docx | Bin 0 -> 8283 bytes  
 OST_Experiment-1.pdf | Bin 0 -> 137952 bytes  
 README.md        | 1 +  
 hello.py         | 1 +  
 5 files changed, 3 insertions(+)  
 create mode 100644 OST  
 create mode 100644 OST_Experiment-1.docx  
 create mode 100644 OST_Experiment-1.pdf  
 create mode 100644 README.md  
 create mode 100644 hello.py
```

```
C:\Users\student\Desktop\OST>git push -u origin main
```

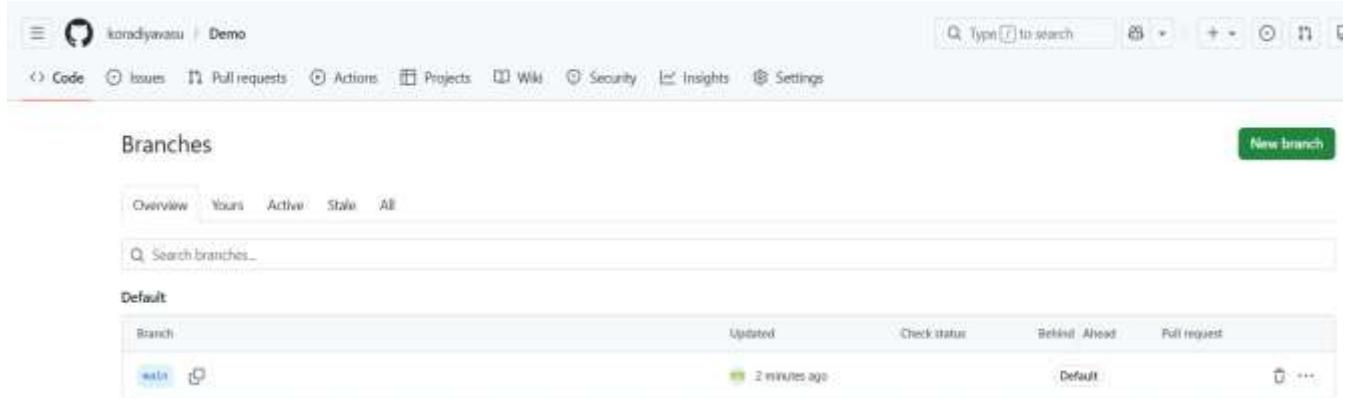
```
Enumerating objects: 6, done.  
Counting objects: 100% (6/6), done.  
Delta compression using up to 6 threads  
Compressing objects: 100% (4/4), done.  
Writing objects: 100% (5/5), 673 bytes | 673.00 KiB/s, done.  
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)  
remote: Resolving deltas: 100% (1/1), completed with 1 local object.  
To https://github.com/koradiyavasu/Demo  
 a2b8911..ff32206 main -> main  
branch 'main' set up to track 'origin/main'.
```

```
C:\Users\student\Desktop\OST>
```



The screenshot shows a GitHub repository page for 'ost-dharmik' at the 'main' branch. The repository URL is [github.com/dharmiktrada/ost-dharmik/tree/main](https://github.com/dharmiktrada/ost-dharmik/tree/main). The page displays a list of files and their commit history:

Name	Last commit message	Last commit date
01CE0618 - Open Source Technologies Syllabus.pdf	Add files via upload	last month
Experiment_1_dharmik.docx	Add files via upload	last month
Experiment_1_dharmik.pdf	Add files via upload	last month
index.html	Add initial HTML structure for the webpage	4 minutes ago
sample.txt	Add files via upload	6 minutes ago



The screenshot shows a GitHub repository interface. At the top, there's a navigation bar with links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. A search bar is also present. Below the navigation bar, the title "Branches" is displayed, followed by a "New branch" button. Underneath, there are tabs for Overview, Yours, Active, Stale, and All. A search input field labeled "Search branches..." is available. The main area shows a table for the "Default" branch. The columns in the table are Branch, Updated, Check status, Behind, Ahead, and Pull request. The "Default" branch is listed with the following details: Updated 2 minutes ago, Check status green (Behind), and Pull request icon.

Branch	Updated	Check status	Behind	Ahead	Pull request
Default	2 minutes ago	Behind			

