

Experiment 2

Aim : Setup Git and Explore Commands Related to Version Control System (VCS)

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

Step 2: Configuration

```
git config --global user.name "Celi0o0"  
git config --global user.email "gaeablejeandominiquemarvyn.123305@marwadiuniversity.ac.in"
```

Step 3:

```
C:\Users\Dominique Marvyn>git --version  
git version 2.43.0.windows.1
```

```
C:\Users\ravik.RAVIKUMAR>git init
```

Reinitialized existing Git repository in C:/Users/Dominique Marvyn/.git/ C:\Users\Dominique

```
Marvyn>mkdir ost
```

```
C:\Users\Dominique Marvyn>mkdir ost  
A subdirectory or file ost already exists.
```

```
C:\Users\Dominique Marvyn>git init
```

Reinitialized existing Git repository in C:/Users/ravik.RAVIKUMAR/.git/ C:\Users\Dominique

```
Marvyn>cd ost
```

```
C:\Users\Dominique Marvyn\ost>git init
```

Initialized empty Git repository in C:/Users/ravik.RAVIKUMAR/ost/.git/

```
C:\Users\Dominique Marvyn\ost>git status
```

On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)

```
C:\Users\Dominique Marvyn\ost>echo sample.txt  
sample.txt
```

C:\Users\Dominique Marvyn\ost>**echo demo.py**
demo.py

```
C:\Users\Dominique Marvyn\ost>git status
On branch master
```

No commits yet

nothing to commit (create/copy files and use "git add" to track)

```
C:\Users\Dominique Marvyn\ost>dir
Volume
in drive C is OS
Volume Serial Number is E2F6-8AB0
```

Directory of C:\Users\Dominique Marvyn\ost

```
26-Jan-26 08:29 PM <DIR> .
26-Jan-26 08:22 PM <DIR> ..
0 File(s) 0 bytes
2 Dir(s) 17,472,352,256 bytes free
```

```
C:\Users\Dominique Marvyn\ost>echo sample.txt
sample.txt
```

```
C:\Users\Dominique Marvyn\ost>dir
Volume
in drive C is OS
Volume Serial Number is E2F6-8AB0
```

Directory of C:\Users\Dominique Marvyn\ost

```
26-Jan-26 08:29 PM <DIR> .
26-Jan-26 08:22 PM <DIR> ..
0 File(s) 0 bytes
2 Dir(s) 17,472,425,984 bytes free
```

```
C:\Users\Dominique Marvyn\ost>echo Hello> sample.txt
```

```
C:\Users\Dominique Marvyn\ost>dir
Volume
in drive C is OS
Volume Serial Number is E2F6-8AB0
```

Directory of C:\Users\Dominique Marvyn\ost

```
26-Jan-26 08:35 PM <DIR> .
26-Jan-26 08:22 PM <DIR> ..
26-Jan-26 08:35 PM 7 sample.txt
```

1 File(s) 7 bytes
2 Dir(s) 17,471,066,112 bytes free

C:\Users\Dominique Marvyn\ost>**type sample.txt**

Hello

C:\Users\Dominique Marvyn\ost>**git commit -m "Initial Commit"**

On branch master

Initial commit

Untracked files:

(use "git add <file>..." to include in what will be committed)
sample.txt

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\Dominique Marvyn\ost>**git config --global init.defaultBranch main**

C:\Users\Dominique Marvyn\ost>**git commit -m "Initial Commit"**

On branch master

Initial commit

Untracked files:

(use "git add <file>..." to include in what will be committed)
sample.txt

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\Dominique Marvyn\ost>**git add sample.txt**

C:\Users\Dominique Marvyn\ost>**git commit -m "Initial Commit"**

[master (root-commit) df439d9] Initial Commit

1 file changed, 1 insertion(+)

create mode 100644 sample.txt

C:\Users\Dominique Marvyn\ost>**git branch**

* master

C:\Users\Dominique Marvyn\ost>**git branch -m master main**

C:\Users\Dominique Marvyn\ost>**git branch**

* main

```
C:\Users\Dominique Marvyn\ost>git checkout main
Already on 'main'
```

```
C:\Users\Dominique Marvyn\ost>git checkout -b dev
Switched to a new branch 'dev'
```

```
C:\Users\Dominique Marvyn\ost>echo Hello from dev>> sample.txt
```

```
C:\Users\Dominique Marvyn\ost>git add .
```

```
C:\Users\Dominique Marvyn\ost>git commit -m "Update in dev"
[dev de8fe00] Update in dev
 1 file changed, 1 insertion(+)
```

```
C:\Users\Dominique Marvyn\ost>git checkout main
Switched to branch 'main'
```

```
C:\Users\Dominique Marvyn\ost>git merge dev
Updating df439d9..de8fe00
Fast-forward
 sample.txt | 1 +
 1 file changed, 1 insertion(+)
```

```
C:\Users\Dominique Marvyn\ost>dir
Volume
in drive C is OS
Volume Serial Number is E2F6-8AB0
```

Directory of C:\Users\Dominique Marvyn\ost

```
26-Jan-26 08:48 PM <DIR> .
26-Jan-26 08:44 PM <DIR> ..
26-Jan-26 08:48 PM 23 sample.txt
 1 File(s) 23 bytes
 2 Dir(s) 17,468,366,848 bytes free
```

```
C:\Users\Dominique Marvyn\ost>type sample.txt
Hello
Hello from dev
```

```
C:\Users\Dominique Marvyn\ost>git remote -v
```

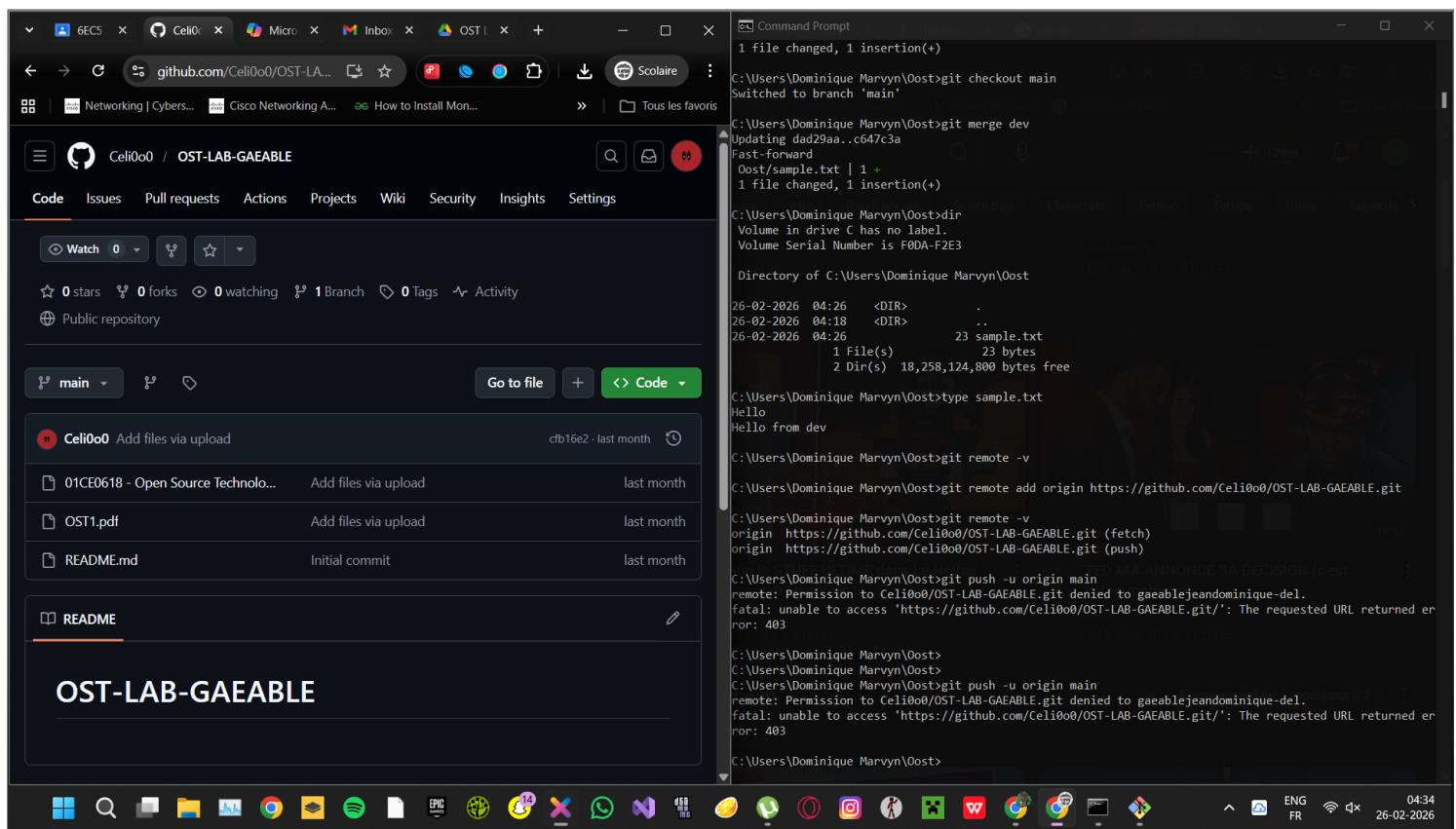
```
C:\Users\Dominique Marvyn\ost>git remote add origin
https://github.com/ravikumarrnr/ostdemo.git
```

```
C:\Users\Dominique Marvyn\ost>git remote -v
origin https://github.com/ravikumarrnr/ostdemo.git (fetch)
origin https://github.com/ravikumarrnr/ostdemo.git (push)
```

```
C:\Users\Dominique Marvyn\ost>git push -u origin main
remote: Invalid username or token. Password authentication is not supported for Git operations.
fatal: Authentication failed for 'https://github.com/ravikumarrnr/ostdemo.git/'
```

```
C:\Users\Dominique Marvyn\ost>
```

```
C:\Users\Dominique Marvyn\ost>
```



The screenshot shows a Windows desktop environment. In the center, there is a Microsoft Edge browser window displaying a GitHub repository named 'OST-LAB-GAEABLE' owned by 'Celi0o0'. The repository has 0 stars, 0 forks, and 1 branch named 'main'. Below the browser is a Command Prompt window with the following history:

```

1 file changed, 1 insertion(+)

C:\Users\Dominique Marvyn\Oost>git checkout main
Switched to branch 'main'

C:\Users\Dominique Marvyn\Oost>git merge dev
Updating dad29aa..c647c3a
Fast-forward
  Oost/sample.txt | 1 +
  1 file changed, 1 insertion(+)

C:\Users\Dominique Marvyn\Oost>dir
Volume in drive C has no label.
Volume Serial Number is F0DA-F2E3

Directory of C:\Users\Dominique Marvyn\Oost
26-02-2026  04:26    <DIR>
26-02-2026  04:18    <DIR>..
26-02-2026  04:26                23 sample.txt
                           1 File(s)   23 bytes
                           2 Dir(s) 18,258,124,800 bytes free

C:\Users\Dominique Marvyn\Oost>type sample.txt
Hello
Hello from dev

C:\Users\Dominique Marvyn\Oost>git remote -v
C:\Users\Dominique Marvyn\Oost>git remote add origin https://github.com/Celi0o0/OST-LAB-GAEABLE.git
C:\Users\Dominique Marvyn\Oost>git remote -v
origin https://github.com/Celi0o0/OST-LAB-GAEABLE.git (fetch)
origin https://github.com/Celi0o0/OST-LAB-GAEABLE.git (push)

C:\Users\Dominique Marvyn\Oost>git push -u origin main
remote: Permission to Celi0o0/OST-LAB-GAEABLE.git denied to gaeablejeandominique-del.
fatal: unable to access 'https://github.com/Celi0o0/OST-LAB-GAEABLE.git/': The requested URL returned error: 403

C:\Users\Dominique Marvyn\Oost>
C:\Users\Dominique Marvyn\Oost>
C:\Users\Dominique Marvyn\Oost>git push -u origin main
remote: Permission to Celi0o0/OST-LAB-GAEABLE.git denied to gaeablejeandominique-del.
fatal: unable to access 'https://github.com/Celi0o0/OST-LAB-GAEABLE.git/': The requested URL returned error: 403

C:\Users\Dominique Marvyn\Oost>
```

The taskbar at the bottom of the screen shows various pinned icons, including Microsoft Office applications, a game icon, and social media links.

```
MINGW64:/c/Users/Dominique Marvyn
Dominique Marvyn@DESKTOP-N54MKUJ MINGW64 ~ (master)
$ git config --global user.name "celi0oo
"
Dominique Marvyn@DESKTOP-N54MKUJ MINGW64
~ (master)
$ git config --global user.email "gaeablejeandominiquemarvyn.123305@marwadiunive
rsity.ac.in
> git config --global user.email "gaeablejeandominiquemarvyn.123305@marwadiuniversity.ac.in
Dominique Marvyn@DESKTOP-N54MKUJ MINGW64 ~ (master)
$ |
```