

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
```

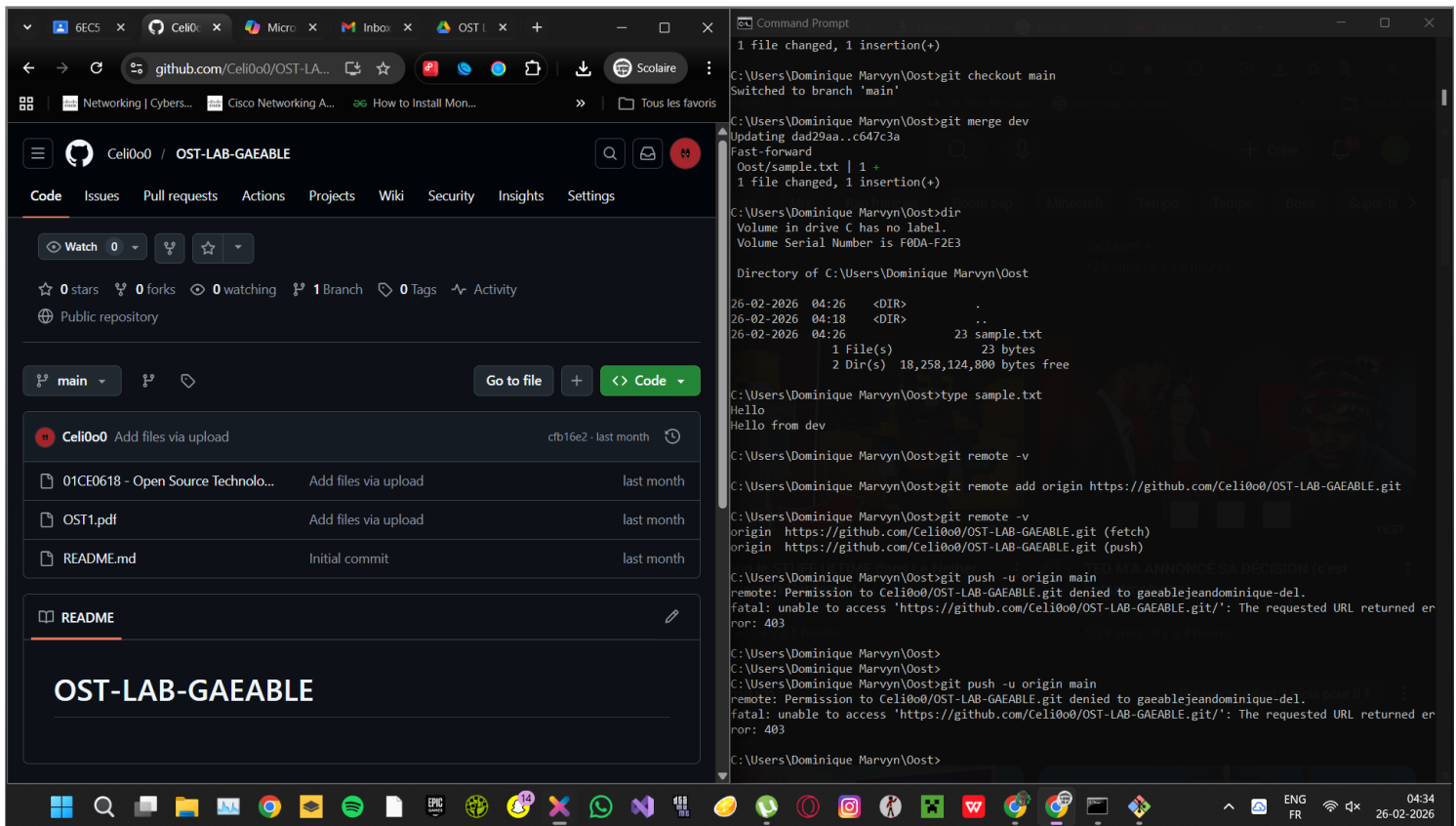
```
C:\Users\Dominique Marvyn\ost>git remote add origin  
https://github.com/ravikumarrnr/ostdemo.git
```

```
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. On the left, a web browser displays the GitHub repository page for 'Celi0o0 / OST-LAB-GAEABLE'. The repository is public and has 0 stars, 0 forks, and 0 watching. The main branch is 'main'. The repository contains files: '01CE0618 - Open Source Technolo...', 'OST1.pdf', and 'README.md'. The 'README' file is selected, showing the title 'OST-LAB-GAEABLE'. On the right, a Command Prompt window shows the following commands and output:

```
C:\Users\Dominique Marvyn\ost>git checkout main  
Switched to branch 'main'  
  
C:\Users\Dominique Marvyn\ost>git merge dev  
Updating dad29aa..c647c3a  
Fast-forward  
Oost/sample.txt | 1 +  
1 file changed, 1 insertion(+)  
  
C:\Users\Dominique Marvyn\ost>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\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/Celi0o0/OST-LAB-GAEABLE.git  
  
C:\Users\Dominique Marvyn\ost>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\ost>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\ost>  
C:\Users\Dominique Marvyn\ost>  
C:\Users\Dominique Marvyn\ost>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\ost>
```

```
MINGW64: c:/Users/Dominique Marvyn
Dominique Marvyn@DESKTOP-N54MKUJ MINGW64 ~ (master)
$ git config --global user.name "Celi0o0"
"

Dominique Marvyn@DESKTOP-N54MKUJ MINGW64 ~ (master)
$ git config --global user.email "gaeabl
ejeandominiquemarvyn.123305@marwadiunive
rsity.ac.in
> git config --global user.email "gaeablejeandominiquemarvyn.123305@marwadiuniversity.ac.in

Dominique Marvyn@DESKTOP-N54MKUJ MINGW64 ~ (master)
$ |
```