

## 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 "hemanshijalu126463-prog"
```

```
git config --global user.email "hemanshi.jalu126463@marwdiuniversity"
```

Step 3:

```
C:\Users\Admin\ost>git --version
```

```
git version 2.43.0.windows.1
```

```
C:\Users\Admin\ost>git init
```

```
Reinitialized existing Git repository in C:/Users/Admin/.git/
```

```
C:\Users\Admin\ost>git add p3.html
```

```
C:\Users\Admin\ost>git status
```

```
On branch master
```

```
Your branch is up to date with 'origin/master'.
```

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: p3.html

```
C:\Users\Admin\ost>git commit -m "html files"
```

```
[master 699b5c2] html files
```

```
1 file changed, 4 insertions(+)
```

```
create mode 100644 p3.html
```

```
C:\Users\Admin\ost> git remote add origin https://github.com/hemanshijalu126463-prog/OST.git
```

```
error: remote origin already exists.
```

```
C:\Users\Admin\ost> git push -u origin 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), 340 bytes | 340.00 KiB/s, done.
```

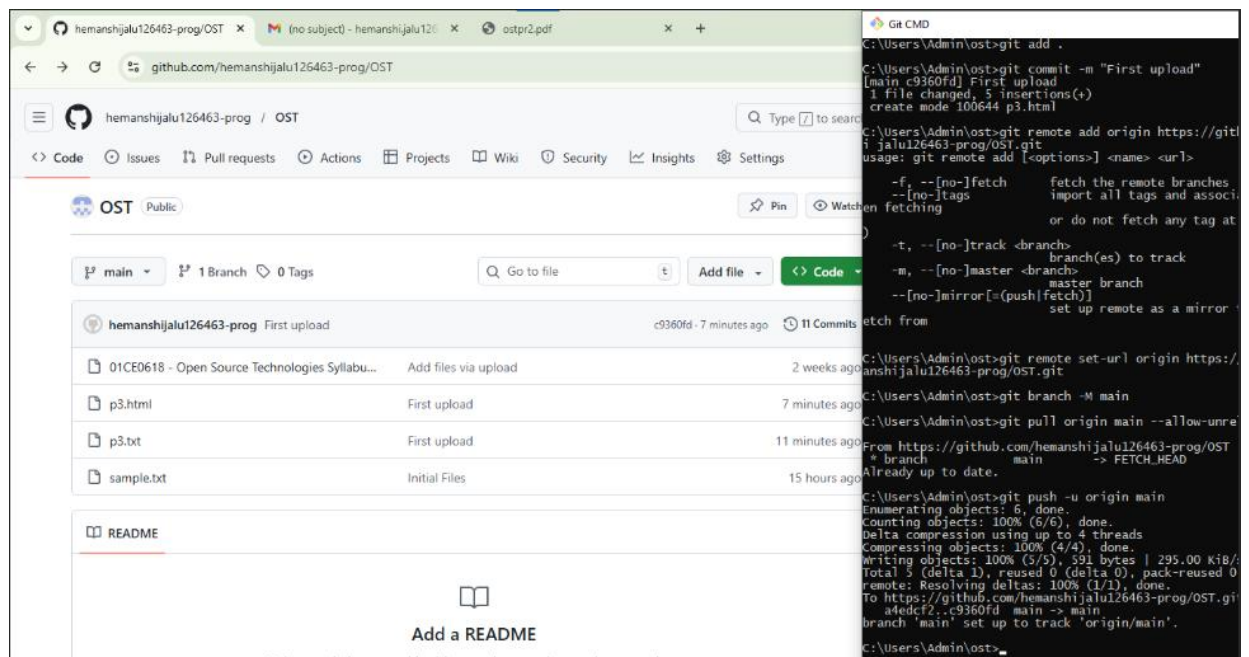
```
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
```

```
To https://github.com/hemanshijalu126463-prog/OST
```

```
7c8190f..699b5c2 main -> main
```

```
branch 'master' set up to track 'origin/main'.
```

Output:



The screenshot displays a GitHub repository named 'hemanshijalu126463-prog / OST' with a public visibility. The repository has 1 branch (main) and 0 tags. The commit history shows a 'First upload' commit (c9360fd) 7 minutes ago, which added files '01CE0618 - Open Source Technologies Syllabu...', 'p3.html', 'p3.txt', and 'sample.txt'. Below the commit history, there is a 'README' section with a placeholder 'Add a README'.

Overlaid on the right side of the screenshot is a terminal window showing the following Git commands and their outputs:

```
C:\Users\Admin\ost>git add .
C:\Users\Admin\ost>git commit -m "First upload"
[main c9360fd] First upload
1 file changed, 5 insertions(+)
create mode 100644 p3.html
C:\Users\Admin\ost>git remote add origin https://github.com/hemanshijalu126463-prog/OST.git
usage: git remote add [<options>] <name> <url>

-f, --[no-]fetch          fetch the remote branches;
                           --[no-]tags      import all tags and associated objects;
                           or do not fetch any tag at all
-t, --[no-]track <branch> branch(es) to track
-m, --[no-]master <branch> master branch
--[no-]mirror[=(push|fetch)] set up remote as a mirror;
                             fetch from
                             push to
C:\Users\Admin\ost>git remote set-url origin https://github.com/hemanshijalu126463-prog/OST.git
C:\Users\Admin\ost>git branch -M main
C:\Users\Admin\ost>git pull origin main --allow-unrelated-histories
From https://github.com/hemanshijalu126463-prog/OST
* branch            main       -> FETCH_HEAD
Already up to date.
C:\Users\Admin\ost>git push -u origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 591 bytes | 295.00 KiB/s, total 5 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/hemanshijalu126463-prog/OST.git
   ade9cf2..c9360fd  main -> main
branch 'main' set up to track 'origin/main'.
```