**Academic Year:** 2024-2025      **Name of Student: Radhika Pradhan**

**Semester:** IV      **Student ID: 22107005**

**Branch:** CSE(DS)      **Date Of Performance: 7/1/25**

**Subject:** SEPM      **Date Of Submission: 7/1/25**

**Name of Instructor: Prof. Harsha Zope**

## Experiment No. 1

Aim:- To Implement a Github account and a repository using different commands.
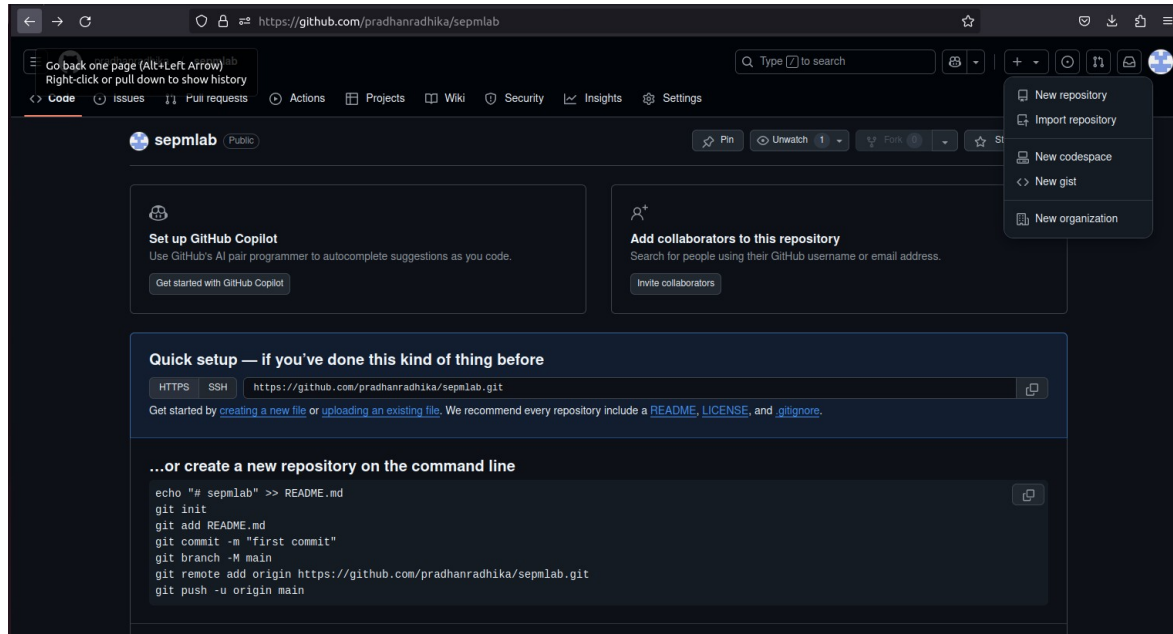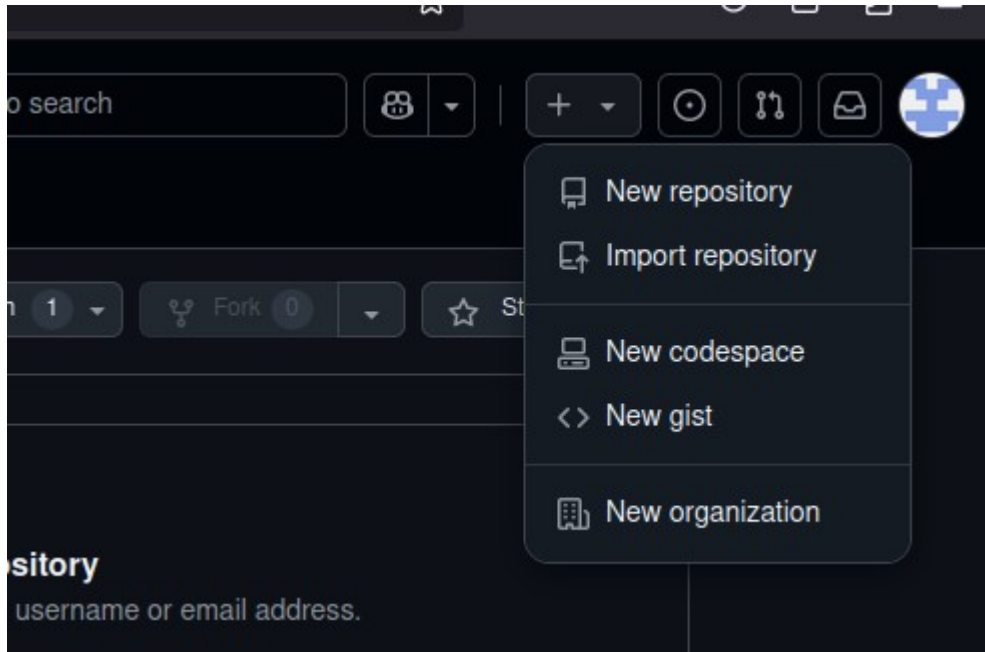
Output

1. Install Git

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo apt update
[sudo] password for apsit:
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:2 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [2,034 kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security/main i386 Packages [581 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [321 kB]
Get:5 http://security.ubuntu.com/ubuntu jammy-security/main amd64 DEP-11 Metadata [43.1 kB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [2,761 kB]
Get:7 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [482 kB]
Hit:8 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Get:9 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 DEP-11 Metadata [208 B]
Get:10 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:11 http://security.ubuntu.com/ubuntu jammy-security/universe i386 Packages [648 kB]
Get:12 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [958 kB]
Get:13 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 DEP-11 Metadata [125 kB]
Get:14 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:15 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 DEP-11 Metadata [208 B]
Get:16 http://in.archive.ubuntu.com/ubuntu jammy-updates/main i386 Packages [743 kB]
Get:17 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [2,271 kB]
Get:18 http://in.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [382 kB]
Get:19 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 DEP-11 Metadata [103 kB]
Get:20 http://in.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [2,867 kB]
Get:21 http://in.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [500 kB]
Get:22 http://in.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 DEP-11 Metadata [212 B]
Get:23 http://in.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1,181 kB]
Get:24 http://in.archive.ubuntu.com/ubuntu jammy-updates/universe i386 Packages [754 kB]
Get:25 http://in.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 DEP-11 Metadata [356 kB]
Get:26 http://in.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 DEP-11 Metadata [940 B]
Get:27 http://in.archive.ubuntu.com/ubuntu jammy-backports/main amd64 DEP-11 Metadata [7,020 B]
Get:28 http://in.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 DEP-11 Metadata [216 B]
Get:29 http://in.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 DEP-11 Metadata [17.7 kB]
Get:30 http://in.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 DEP-11 Metadata [212 B]
Fetched 17.5 MB in 8s (2,206 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
395 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo apt-get install git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui gitk gitweb
  git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 395 not upgraded.
Need to get 4,146 kB of archives.
After this operation, 21.0 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 liberror-perl all 0.17029-1 [26.5 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git-man all 1:2.34.1-1ubuntu1.11 [955 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git amd64 1:2.34.1-1ubuntu1.11 [3,165 kB]
Fetched 4,146 kB in 5s (834 kB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 162231 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.34.1-1ubuntu1.11_all.deb ...
Unpacking git-man (1:2.34.1-1ubuntu1.11) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.34.1-1ubuntu1.11_amd64.deb ...
Unpacking git (1:2.34.1-1ubuntu1.11) ...
Setting up liberror-perl (0.17029-1) ...
Setting up git-man (1:2.34.1-1ubuntu1.11) ...
Setting up git (1:2.34.1-1ubuntu1.11) ...
Processing triggers for man-db (2.10.2-1) ...
```

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ git --version
git version 2.34.1
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ git config --global user.name "pradhanradhika"
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ git config --global user.email "radhikampra@gmail.com"
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ git config --list
user.name=pradhanradhika
user.email=radhikampra@gmail.com
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$
```

2. Login Github and Create new repository

3. Create new folder

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ mkdir sepmlab
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ cd sepmlab/
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/sepmlab$
```

4. Git Initialize

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/sepmlab$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:    git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:    git branch -m <name>
Initialized empty Git repository in /home/apsit/sepmlab/.git/
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/sepmlab$
```

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/sepmlab$ git remote add origin https://github.com/pradhanradhika/sepmlab
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/sepmlab$
```

5. Create a file

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/sepmlab$ gedit file1.c
```

```c
file1.c
~/sepmlab

1 #include<stdio.h>
2 int main()
3 {
4    printf("Hello World");
5    return 0;
6 }
7
```

**PARSHWANATH CHARITABLE TRUST'S**
# A.P. SHAH INSTITUTE OF TECHNOLOGY
**Department of Computer Science and Engineering**
**Data Science**

CSE DATA SCIENCE

6. Add and Commit changes

```
GNU nano 6.2                                    /home/apsit/sepmlab/.git/COMMIT_EDITMSG *

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch master
#
# Initial commit
#
# Changes to be committed:
#       new file:   file1.c
#
First program
```

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/sepmlab$ git add .
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/sepmlab$ git commit
[master (root-commit) 07e6cde] Hello World
 1 file changed, 7 insertions(+)
 create mode 100644 file1.c
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/sepmlab$ git commit -m 'Hello World'
On branch master
nothing to commit, working tree clean
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/sepmlab$
```

Conclusion: Hence successfully implemented Github account and a repository using different commands.