

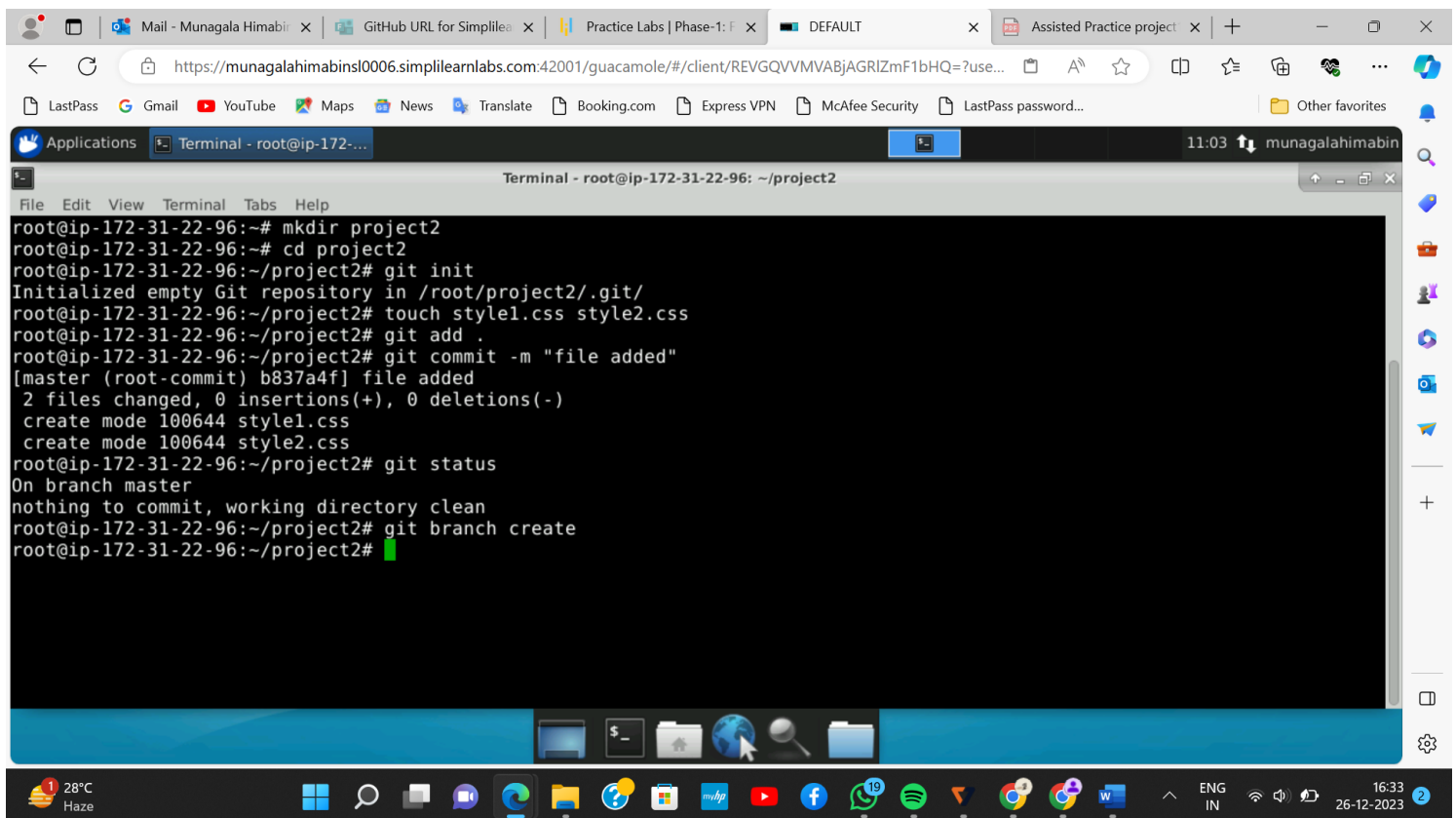
Practice Project 2:

CRUD Operations in Git

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Step 1: Create Operation

Description: Commands related to create operation in git are git init, git add, git commit, git branch <branch name>.



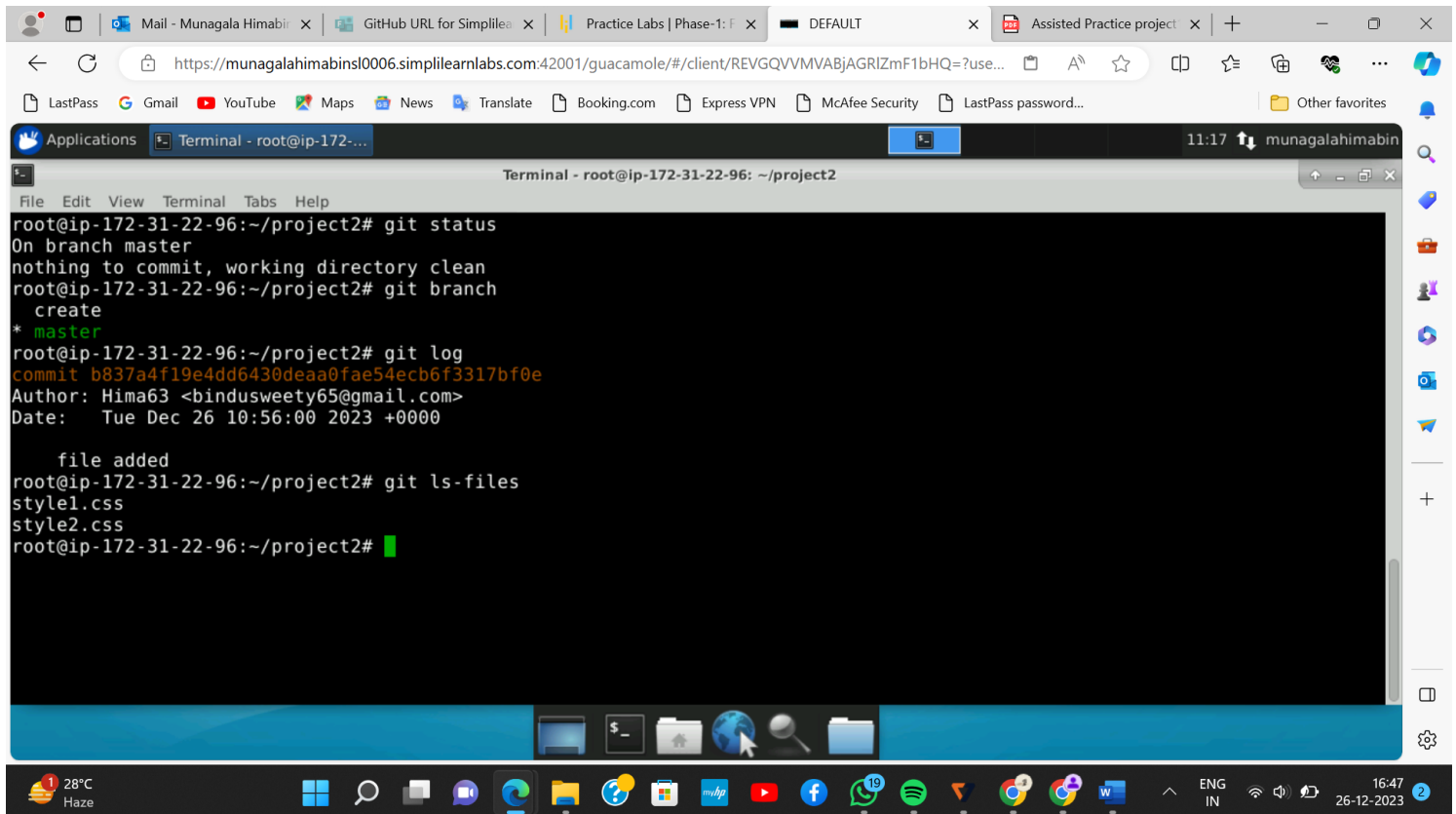
The screenshot shows a terminal window titled "Terminal - root@ip-172-31-22-96: ~/project2". The terminal displays the following commands and their output:

```
root@ip-172-31-22-96:~# mkdir project2
root@ip-172-31-22-96:~# cd project2
root@ip-172-31-22-96:~/project2# git init
Initialized empty Git repository in /root/project2/.git/
root@ip-172-31-22-96:~/project2# touch style1.css style2.css
root@ip-172-31-22-96:~/project2# git add .
root@ip-172-31-22-96:~/project2# git commit -m "file added"
[master (root-commit) b837a4f] file added
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 style1.css
 create mode 100644 style2.css
root@ip-172-31-22-96:~/project2# git status
On branch master
nothing to commit, working directory clean
root@ip-172-31-22-96:~/project2# git branch create
root@ip-172-31-22-96:~/project2#
```

The terminal window is part of a desktop environment. The top of the screen shows a web browser with several tabs open, including "Mail - Munagala Himabir", "GitHub URL for Simplilearn", "Practice Labs | Phase-1", "DEFAULT", and "Assisted Practice project". The bottom of the screen shows a taskbar with various application icons and a system tray displaying the date and time as 16:33 on 26-12-2023.

Step 2: Read Operations

Description: Commands related to read operation in git are git status, git branch, git log, git ls-files



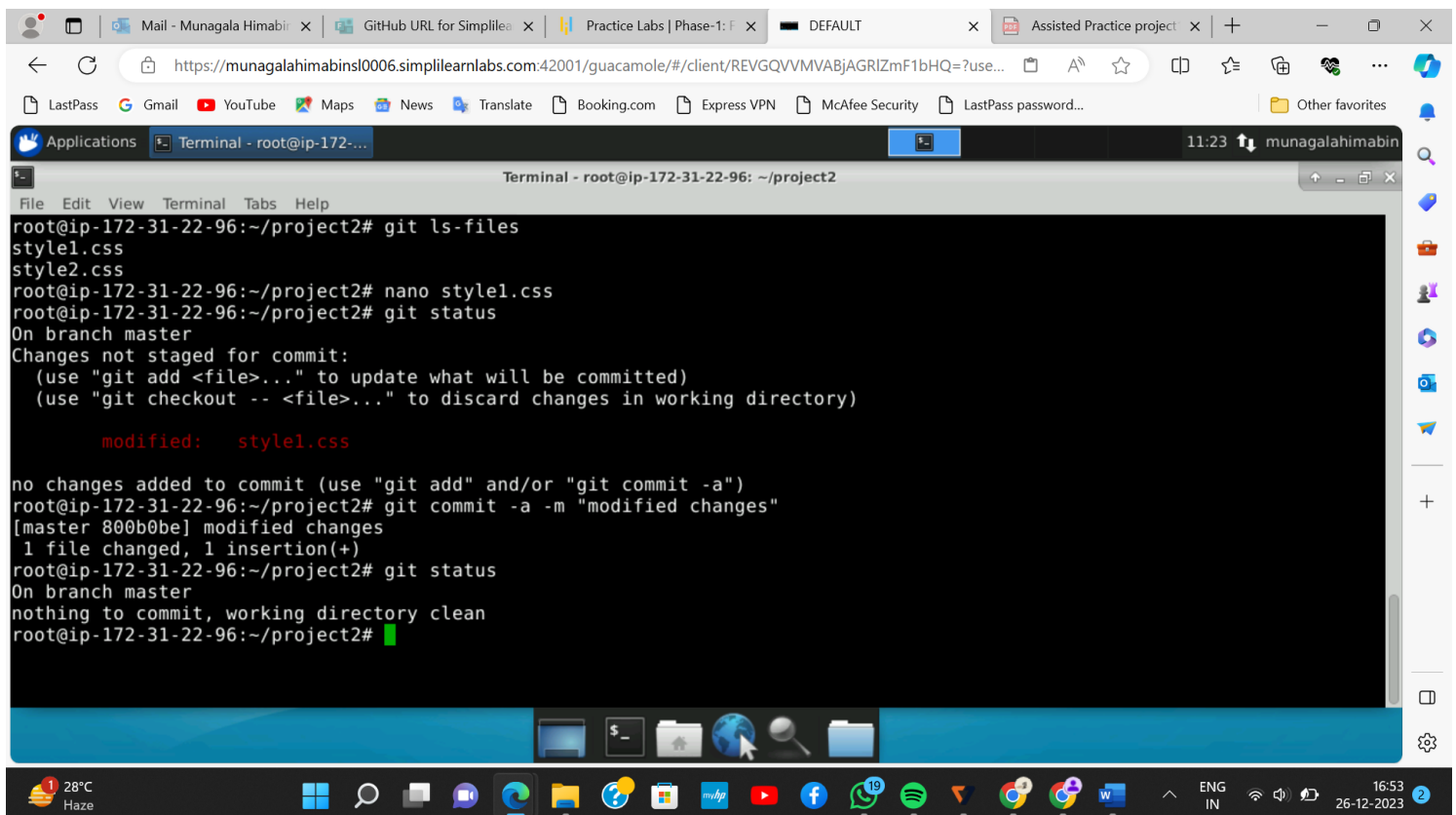
The screenshot shows a web browser window with several tabs open, including 'Mail - Munagala Himabini', 'GitHub URL for Simplilearn', 'Practice Labs | Phase-1: F', 'DEFAULT', and 'Assisted Practice project'. The address bar shows a URL from 'munagalahimabins0006.simplilearnlabs.com'. Below the browser, a terminal window is open, displaying the following commands and output:

```
root@ip-172-31-22-96:~/project2# git status
On branch master
nothing to commit, working directory clean
root@ip-172-31-22-96:~/project2# git branch
create
* master
root@ip-172-31-22-96:~/project2# git log
commit b837a4f19e4dd6430deaa0fae54ecb6f3317bf0e
Author: Hima63 <bindusweety65@gmail.com>
Date: Tue Dec 26 10:56:00 2023 +0000

    file added
root@ip-172-31-22-96:~/project2# git ls-files
style1.css
style2.css
root@ip-172-31-22-96:~/project2#
```

Step 3: Update Operations

Description: Modified an existing file named style1.css using nano command



The screenshot shows the same web browser window as before. The terminal window now displays the following commands and output:

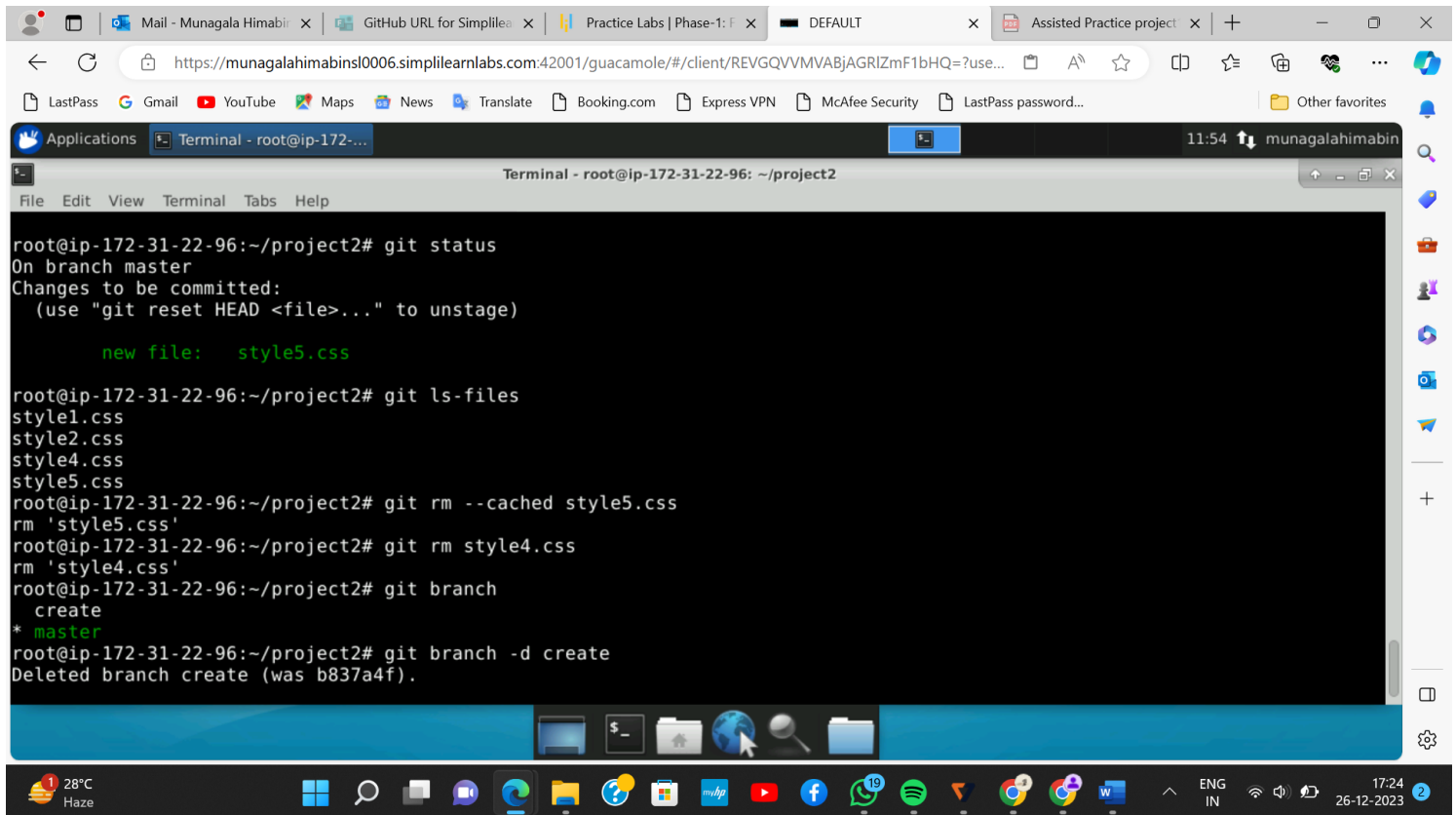
```
root@ip-172-31-22-96:~/project2# git ls-files
style1.css
style2.css
root@ip-172-31-22-96:~/project2# nano style1.css
root@ip-172-31-22-96:~/project2# git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   style1.css

no changes added to commit (use "git add" and/or "git commit -a")
root@ip-172-31-22-96:~/project2# git commit -a -m "modified changes"
[master 800b0be] modified changes
1 file changed, 1 insertion(+)
root@ip-172-31-22-96:~/project2# git status
On branch master
nothing to commit, working directory clean
root@ip-172-31-22-96:~/project2#
```

Step 3: Delete Operation

Description: Performed Delete operation on files using `git rm`, `git rm --cached` and on branch using `git branch -d <branch name>`



The screenshot shows a terminal window titled "Terminal - root@ip-172-31-22-96: ~/project2". The terminal displays the following commands and their output:

```
root@ip-172-31-22-96:~/project2# git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

    new file:   style5.css

root@ip-172-31-22-96:~/project2# git ls-files
style1.css
style2.css
style4.css
style5.css
root@ip-172-31-22-96:~/project2# git rm --cached style5.css
rm 'style5.css'
root@ip-172-31-22-96:~/project2# git rm style4.css
rm 'style4.css'
root@ip-172-31-22-96:~/project2# git branch
  create
* master
root@ip-172-31-22-96:~/project2# git branch -d create
Deleted branch create (was b837a4f).
```

The terminal window is part of a desktop environment. The top of the screen shows a web browser with several tabs open, including "Mail - Munagala Himabin", "GitHub URL for Simplilearn", "Practice Labs | Phase-1:", "DEFAULT", and "Assisted Practice project". The bottom of the screen shows a taskbar with various application icons and a system tray displaying the temperature (28°C), weather (Haze), and date/time (17:24, 26-12-2023).