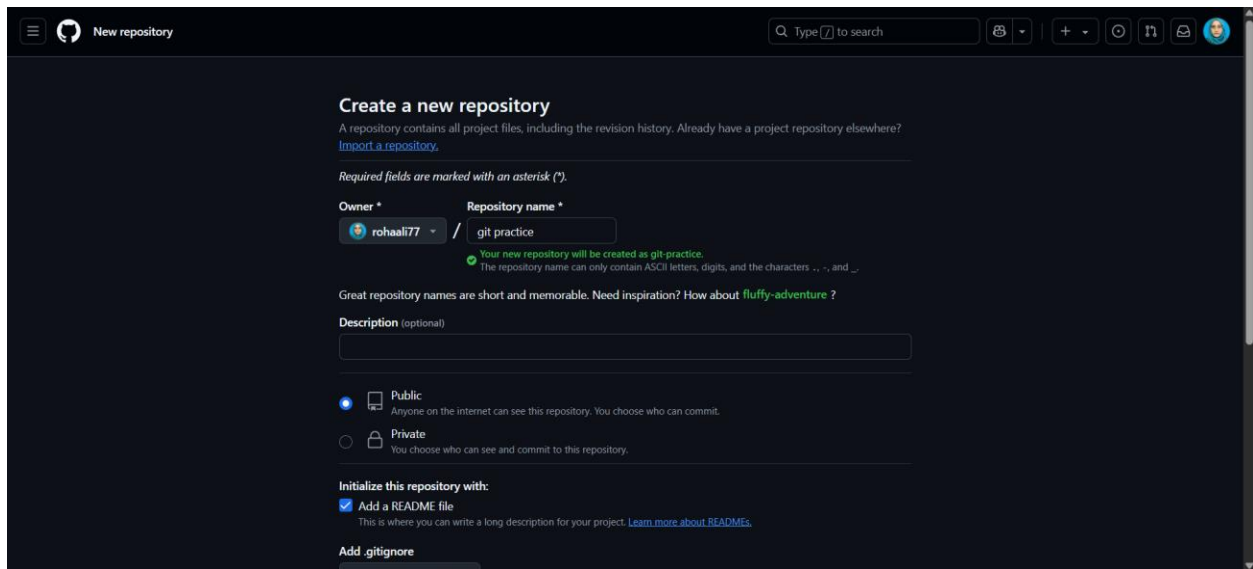


GitHub Lab

SET UP GIT BASH, AUTHENTICATE WITH GITHUB USING SSH, AND
COMPLETE A BASIC GIT/GITHUB ASSIGNMENT

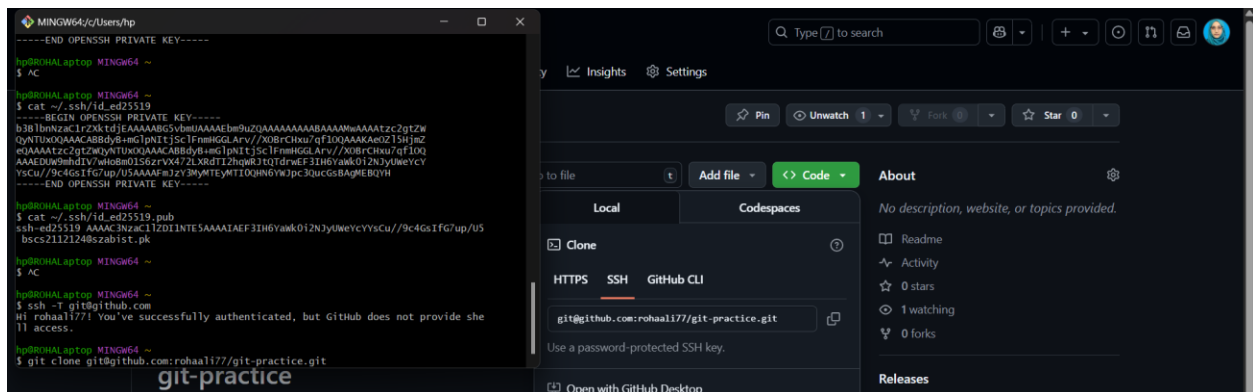
ROHA ALI (2112124)

Step 3: Create a GitHub Repository



The screenshot shows the GitHub 'Create a new repository' page. The 'Owner' is set to 'rohaali77' and the 'Repository name' is 'git-practice'. A green message states: 'Your new repository will be created as git-practice. The repository name can only contain ASCII letters, digits, and the characters ., -, and _.' The 'Description' field is empty. The 'Public' radio button is selected, with the text 'Anyone on the internet can see this repository. You choose who can commit.' The 'Private' option is also visible. Under 'Initialize this repository with:', the 'Add a README file' checkbox is checked, with the text 'This is where you can write a long description for your project. Learn more about READMEs.' The 'Add .gitignore' link is at the bottom.

Step 4: Clone the Repository

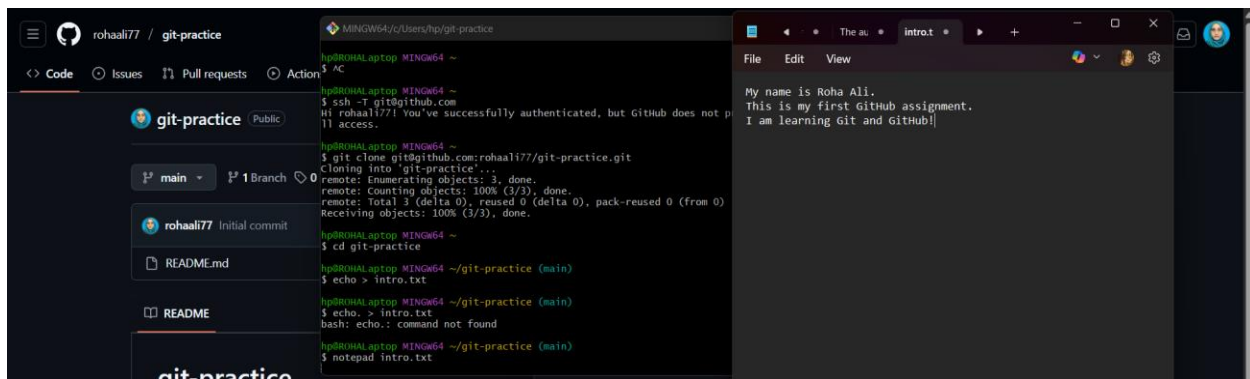


The screenshot shows a terminal window on the left and the GitHub repository page on the right. The terminal output is as follows:

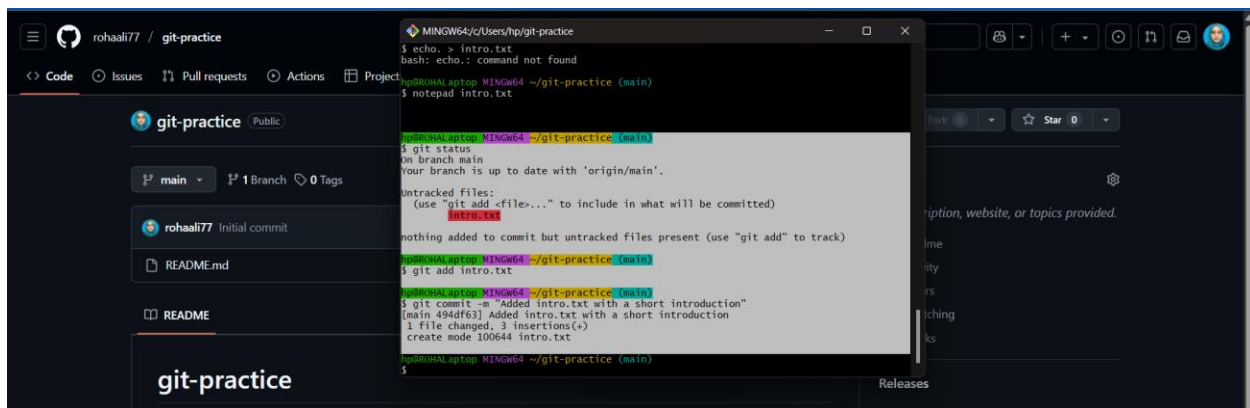
```
-----END OPENSSH PRIVATE KEY-----
$ AC
hp@ROHALaptop: ~/git-practice
$ cat ~/.ssh/id_ed25519.pub
-----BEGIN OPENSSH PRIVATE KEY-----
b381bnZac1I2XktdjEAAAABGSwuAAAEb3UzAAAAAAAAAAABAAAAEzC2g2Zw
QyNTUxOQAAACABBDy8+eG1pNT15c1FmMHGLARv/X08rChku7q10QAAK
eQAAAAZC2g2ZwYNTUxOQAAACABBDy8+eG1pNT15c1FmMHGLARv/X08rChku7q10Q
AAAEb3UzY29hbmh1V7w0Bm01S6ZrVX47ZLXRDTI2hqwR3tQtdrWEF3IH6Yamk012N3yUweYcY
YScu//9c4GSI1Fg/up/USAAAFB3Zy3MyMTEyMTI0HN6Yw3pc3QucG8BAGMEBQYH
-----END OPENSSH PRIVATE KEY-----
hp@ROHALaptop: ~/git-practice
$ cat ~/.ssh/id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZD01INTE5AAAAIAEF3IH6Yamk012N3yUweYcYScu//9c4GSI1Fg/up/US
bscs21121240szab1st.pk
hp@ROHALaptop: ~/git-practice
$ AC
hp@ROHALaptop: ~/git-practice
$ ssh -T git@github.com
Hi rohaali77! You've successfully authenticated, but GitHub does not provide shell
access.
hp@ROHALaptop: ~/git-practice
$ git clone git@github.com:rohaali77/git-practice.git
Cloning into 'git-practice'...
```

The GitHub repository page on the right shows the repository 'git-practice' by 'rohaali77'. It has no description, website, or topics provided. The 'About' section is empty. The 'Releases' section shows 'No releases published'.

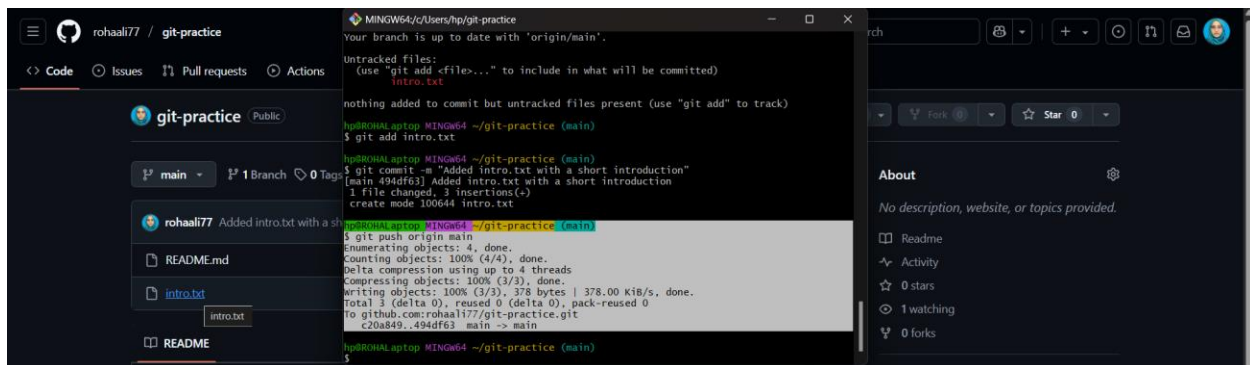
Step 5: Make Changes Locally



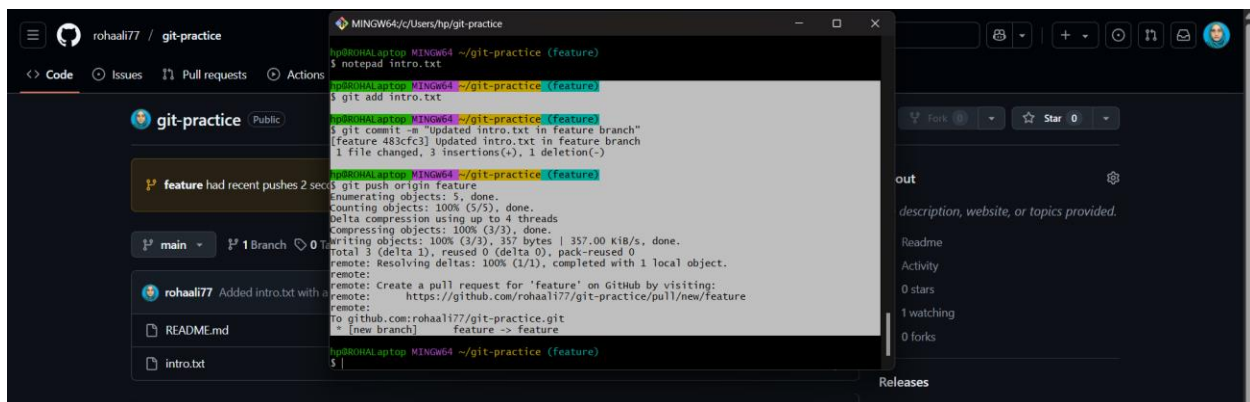
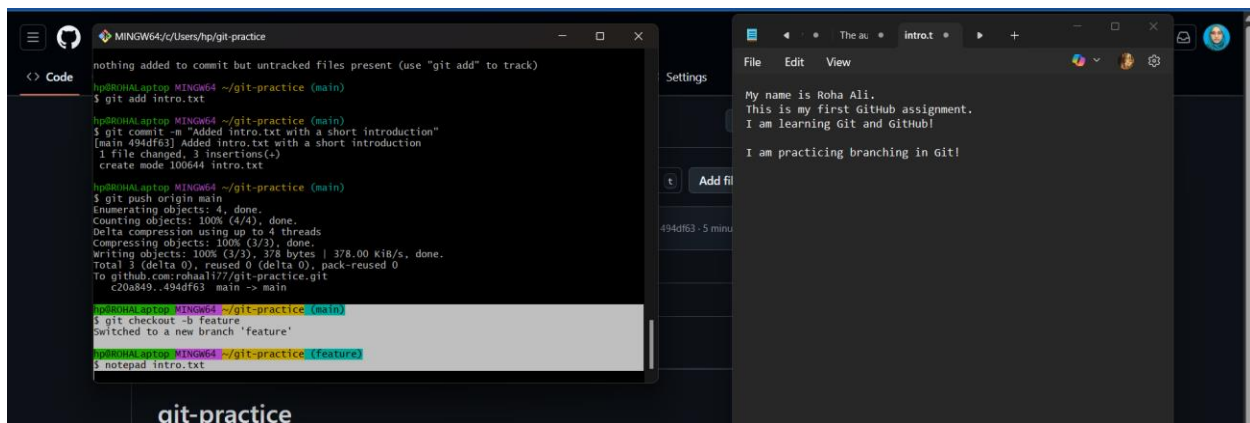
Step 6: Stage and Commit Changes



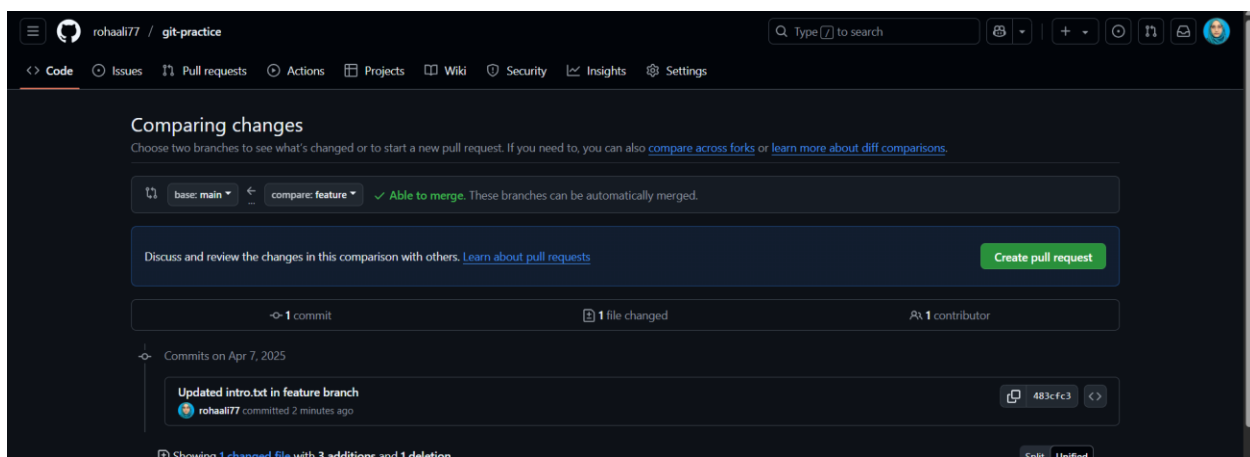
Step 7: Push to GitHub

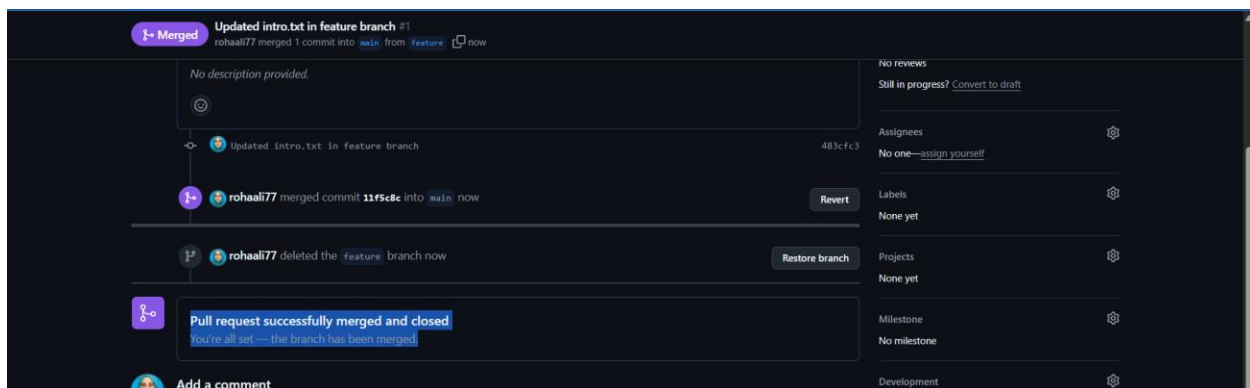
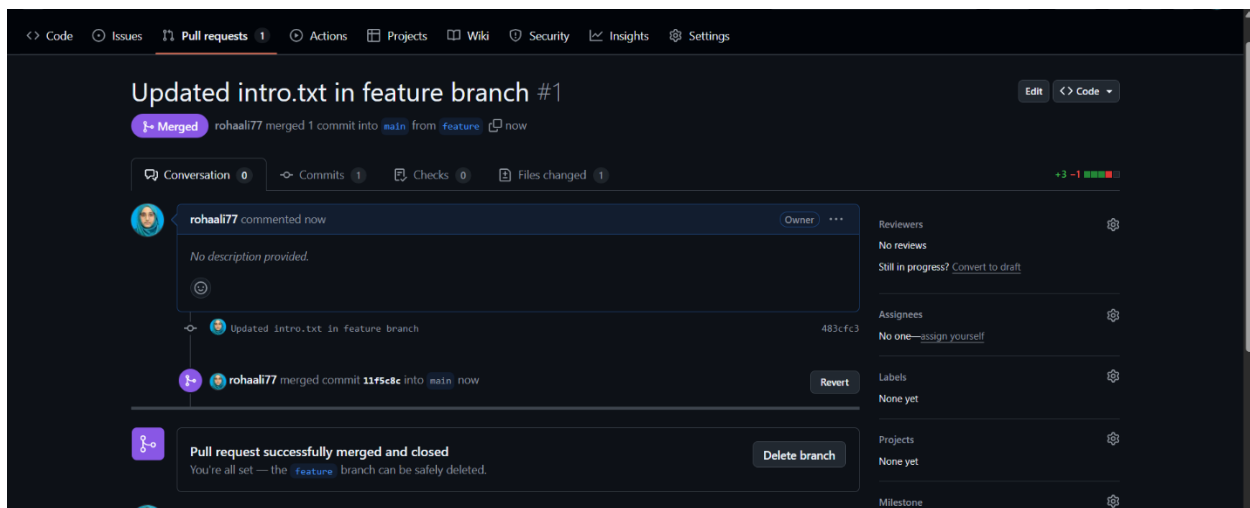
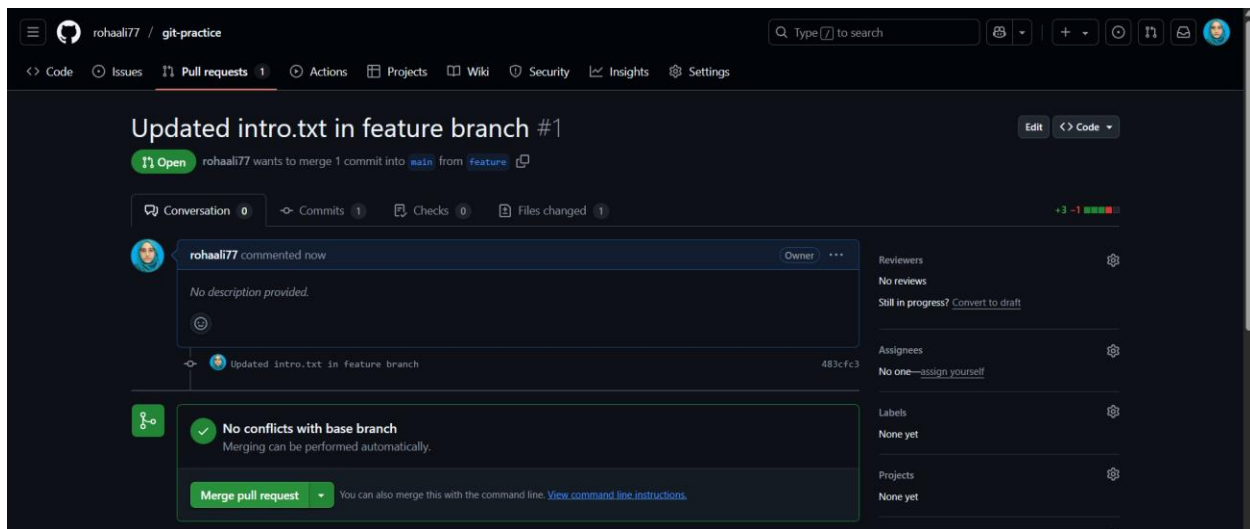


Step 8: Create a Branch and Additional Changes

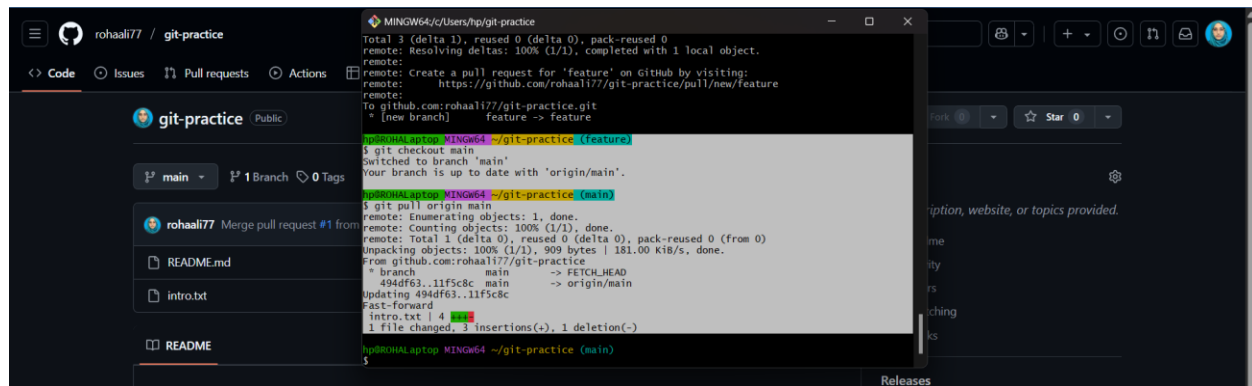


Step 9: Create and Merge a Pull Request





Step 10: Sync Local Repository



Submission

<https://github.com/rohaali77/git-practice>