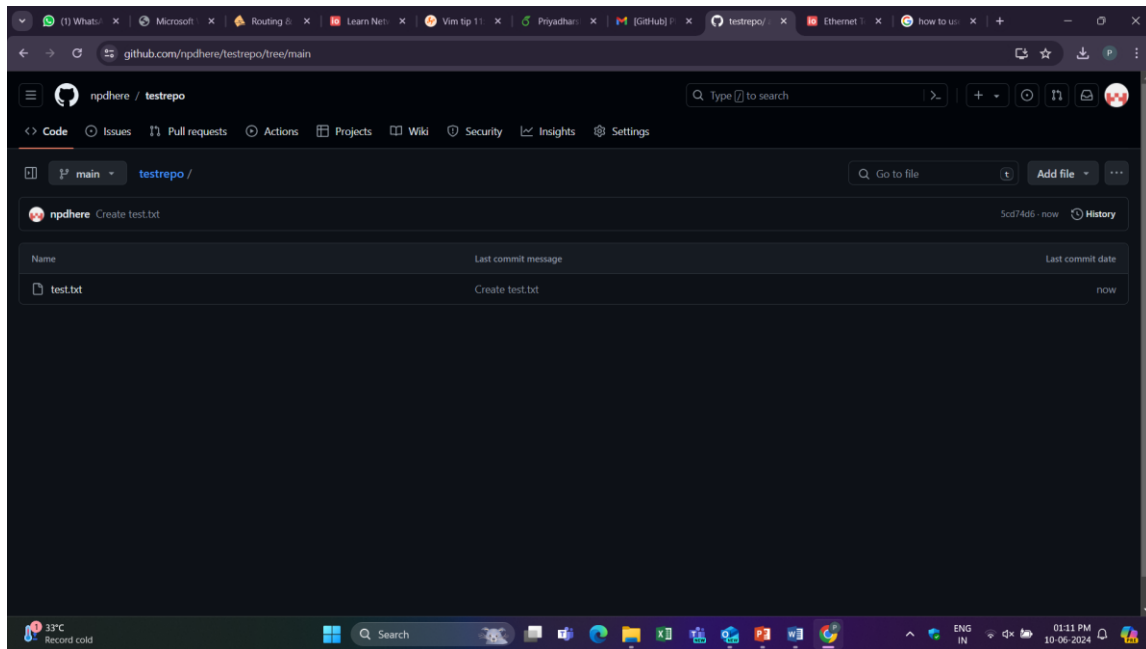


Module 1 - Git/Vim Assignments

Assignment 1: (Complex)

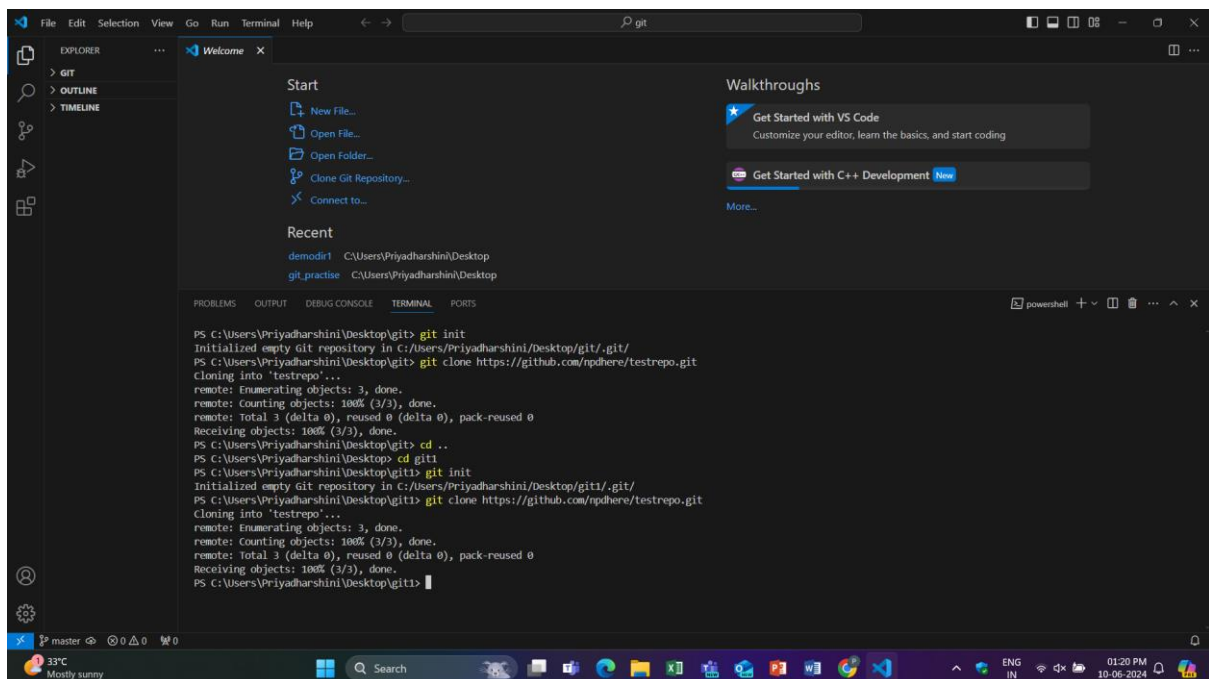
1. Commit a repository with a single file change.

Now I've created a repository named "testrepo" in github and created a single file inside it called "test.txt". This file contains some random content and I've committed the changes.



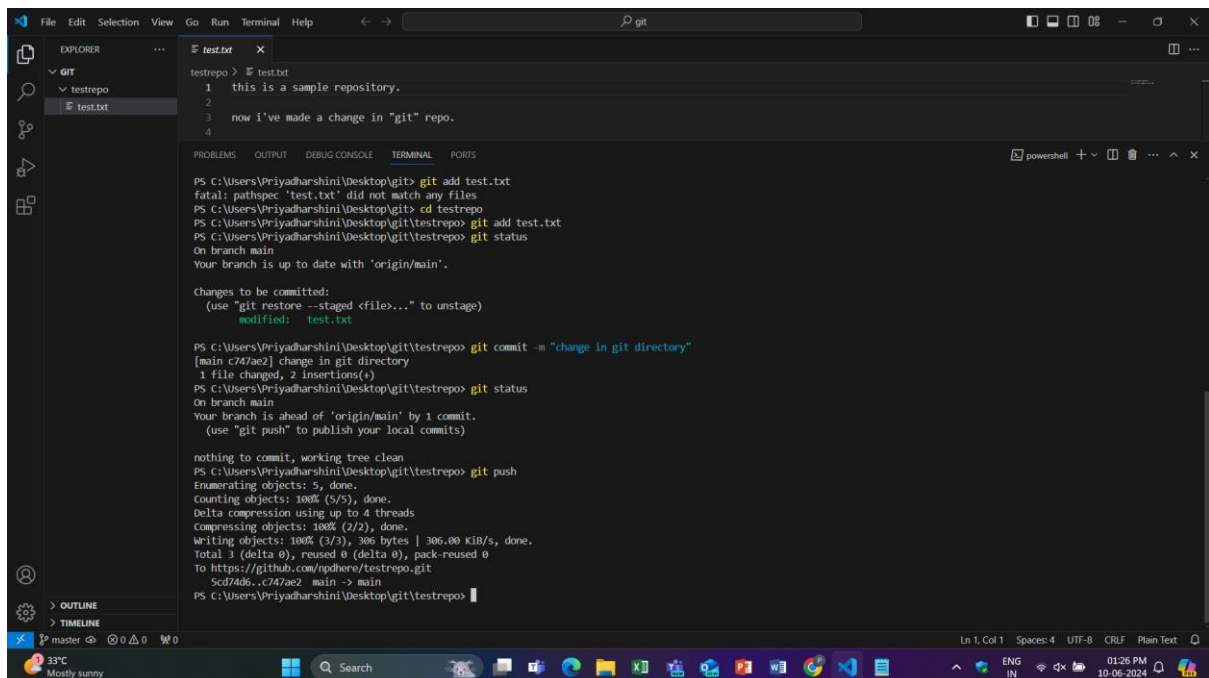
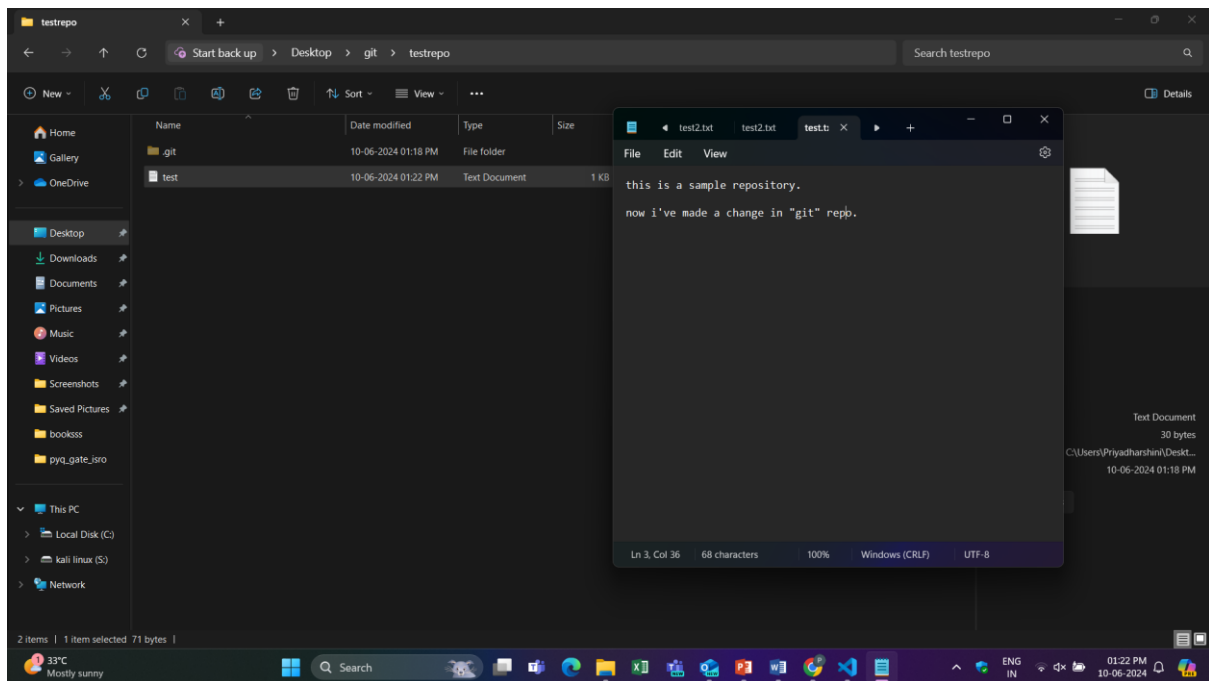
2. Create 2 new directories in local PC and clone the repository on both directories.

As the next step, I've created 2 directories (folders) namely "git" and "git1" in desktop and cloned the "testrepo" on both directories.

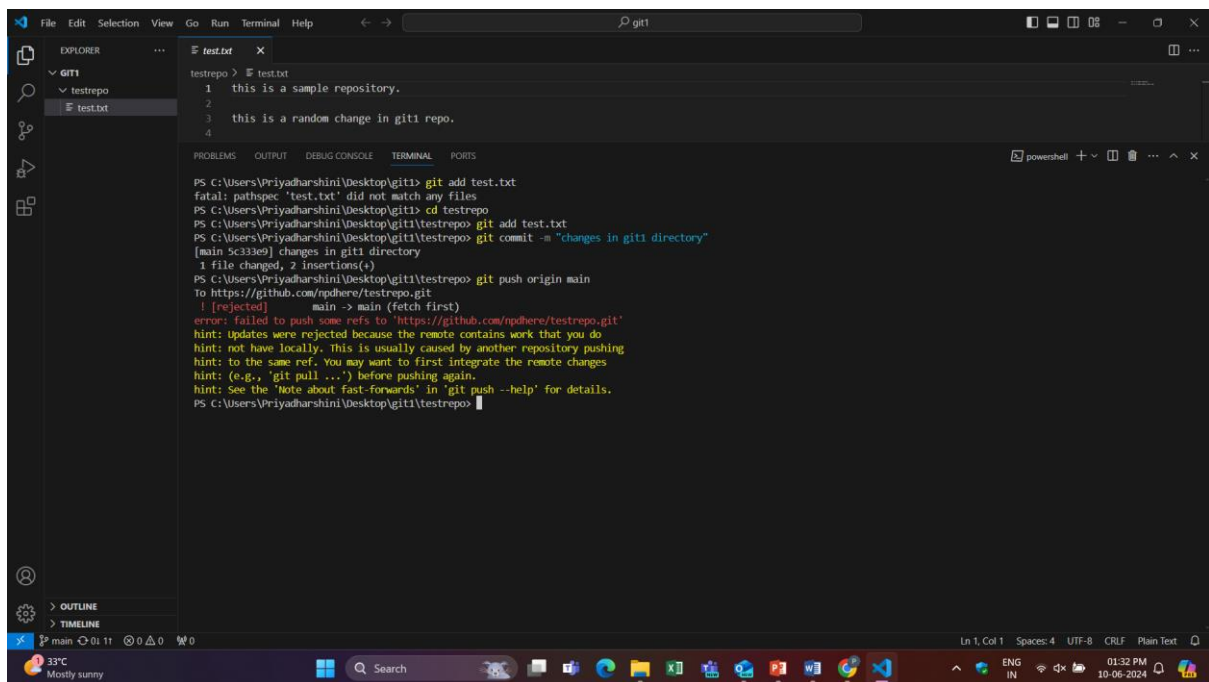
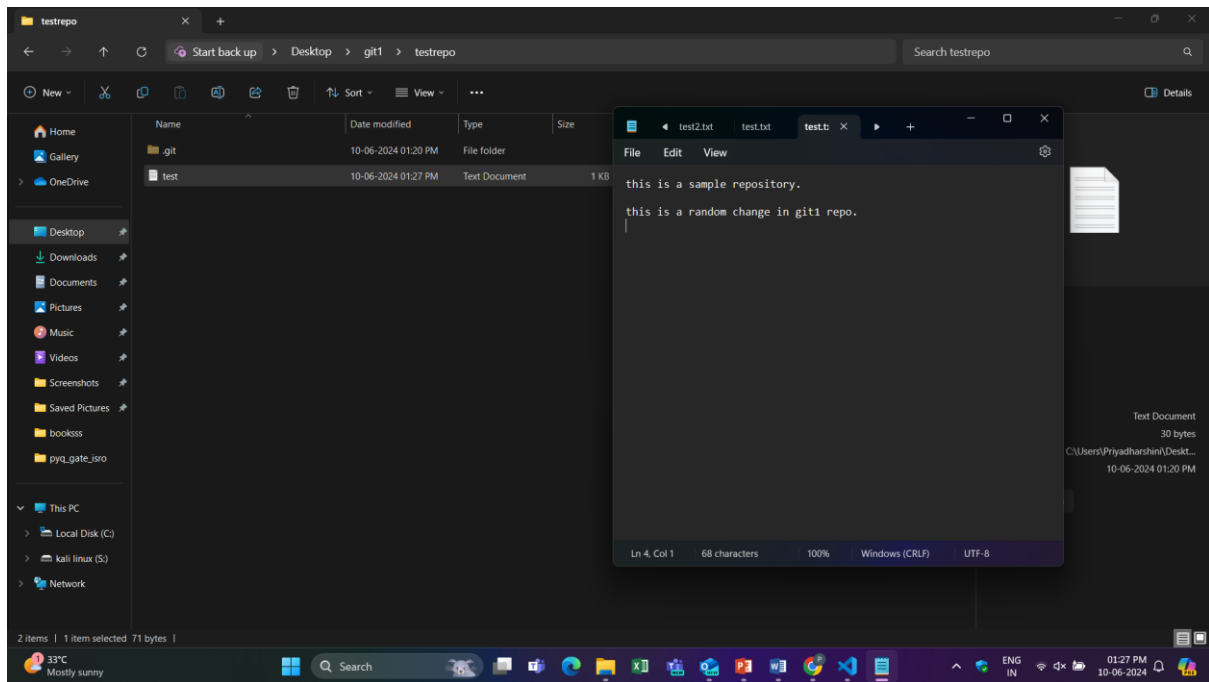


3. Make changes in one of the directories and commit and merge the changes.

Now I've made some changes in "test.txt" file, committed and pushed it.



4. Parallely make a change in the same file in another directory and when the changes are pushed, there should be merge conflict noticed which should be resolved and pushed changes again.



5. Merge the changes

I've changed the content in test.txt inside git1 and updated these changes with following commands

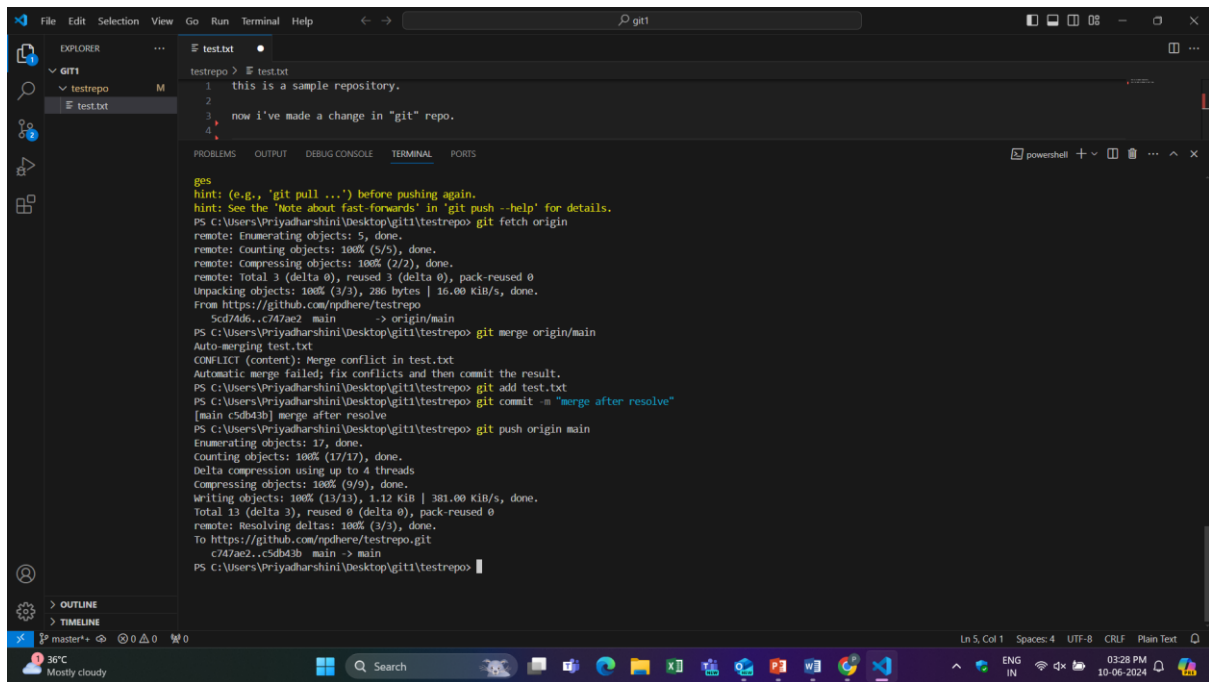
git fetch origin

git merge origin/main

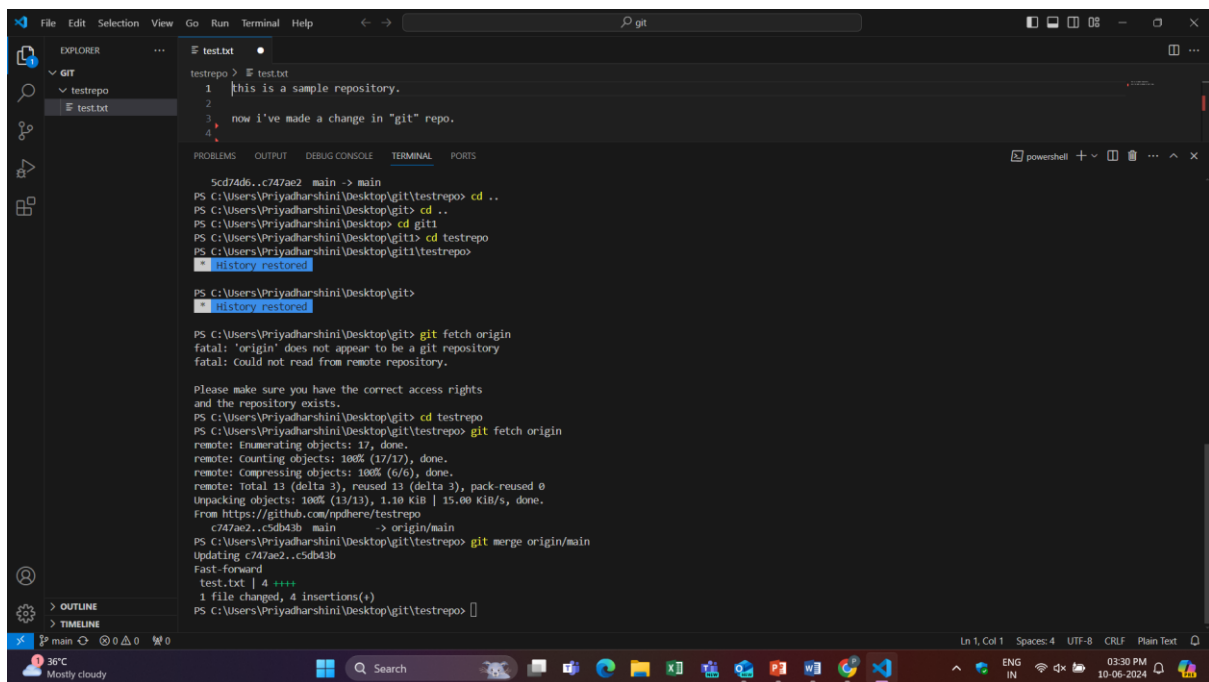
git add test.txt

git commit -m "merge after resolve"

git push origin



```
File Edit Selection View Go Run Terminal Help
git1
EXPLORER
  GIT
    testrepo
      test.txt
test.txt
1 this is a sample repository.
2
3 now i've made a change in "git" repo.
4
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell
ges
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
PS C:\Users\Priyadharshini\Desktop\git1\testrepo> git fetch origin
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 286 bytes | 16.00 KiB/s, done.
From https://github.com/npdhere/testrepo
   c5d74d6..c747ae2  main       -> origin/main
PS C:\Users\Priyadharshini\Desktop\git1\testrepo> git merge origin/main
Auto-merging test.txt
CONFLICT (content): Merge conflict in test.txt
Automatic merge failed; fix conflicts and then commit the result.
PS C:\Users\Priyadharshini\Desktop\git1\testrepo> git add test.txt
PS C:\Users\Priyadharshini\Desktop\git1\testrepo> git commit -m "merge after resolve"
[main c5db43b] merge after resolve
PS C:\Users\Priyadharshini\Desktop\git1\testrepo> git push origin main
Enumerating objects: 17, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 4 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (13/13), 1.12 KiB | 381.00 KiB/s, done.
Total 13 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/npdhere/testrepo.git
   c747ae2..c5db43b  main -> main
PS C:\Users\Priyadharshini\Desktop\git1\testrepo>
```



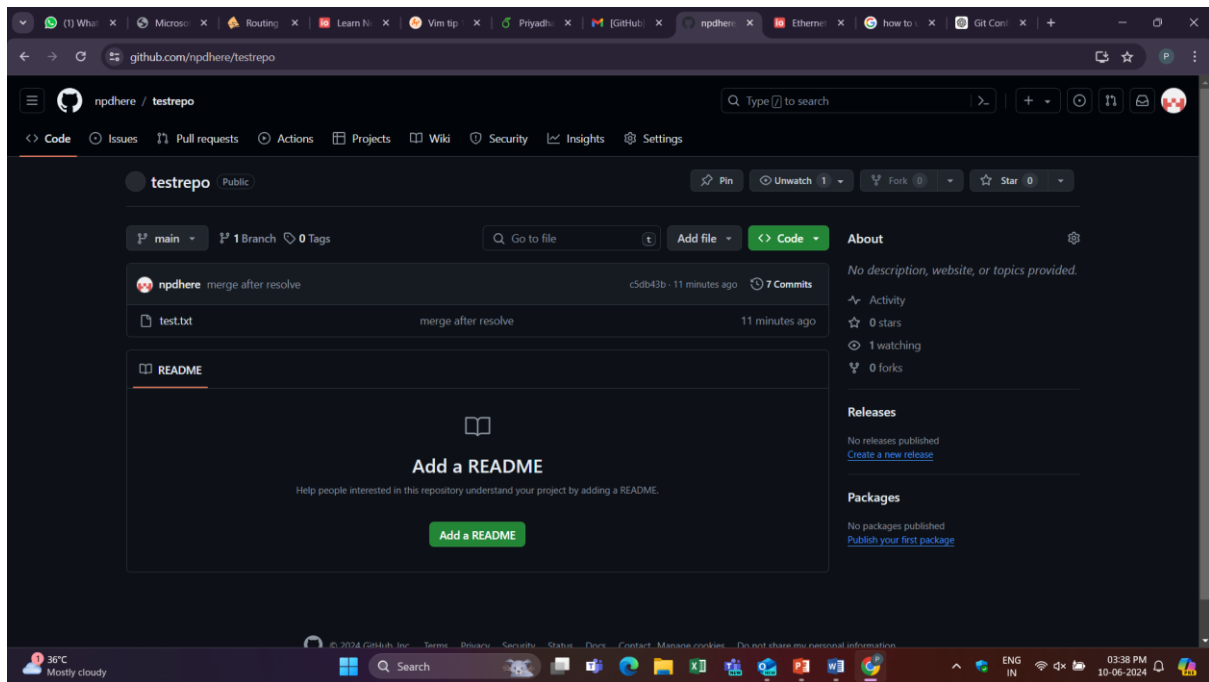
```
File Edit Selection View Go Run Terminal Help
git
EXPLORER
  GIT
    testrepo
      test.txt
test.txt
1 this is a sample repository.
2
3 now i've made a change in "git" repo.
4
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell
Scd74d6..c747ae2 main -> main
PS C:\Users\Priyadharshini\Desktop\git1\testrepo> cd ..
PS C:\Users\Priyadharshini\Desktop\git> cd ..
PS C:\Users\Priyadharshini\Desktop> cd git1
PS C:\Users\Priyadharshini\Desktop\git1> cd testrepo
PS C:\Users\Priyadharshini\Desktop\git1\testrepo>
* History restored
PS C:\Users\Priyadharshini\Desktop\git>
* History restored
PS C:\Users\Priyadharshini\Desktop\git> git fetch origin
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
PS C:\Users\Priyadharshini\Desktop\git> cd testrepo
PS C:\Users\Priyadharshini\Desktop\git1\testrepo> git fetch origin
remote: Enumerating objects: 17, done.
remote: Counting objects: 100% (17/17), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 13 (delta 3), reused 13 (delta 3), pack-reused 0
Unpacking objects: 100% (13/13), 1.10 KiB | 15.00 KiB/s, done.
From https://github.com/npdhere/testrepo
   c747ae2..c5db43b  main       -> origin/main
PS C:\Users\Priyadharshini\Desktop\git1\testrepo> git merge origin/main
Updating c747ae2..c5db43b
Fast-forward
 test.txt | 4 ++++
 1 file changed, 4 insertions(+)
PS C:\Users\Priyadharshini\Desktop\git1\testrepo>
```

Note:

Share the repository name along with the output/screen shot of the history of commands executed.

Capture the commit history after each commit.



Assignment 2: (Simple)

Create a story.txt file using below lines, save and quit the file

=====

The quick brown fox jumps over the lazy dog.

The quick brown fox is fast and clever.

Lazy dogs often lie in the sun all day.

The dog chased the fox through the field.

A quick fox can outsmart a lazy dog.

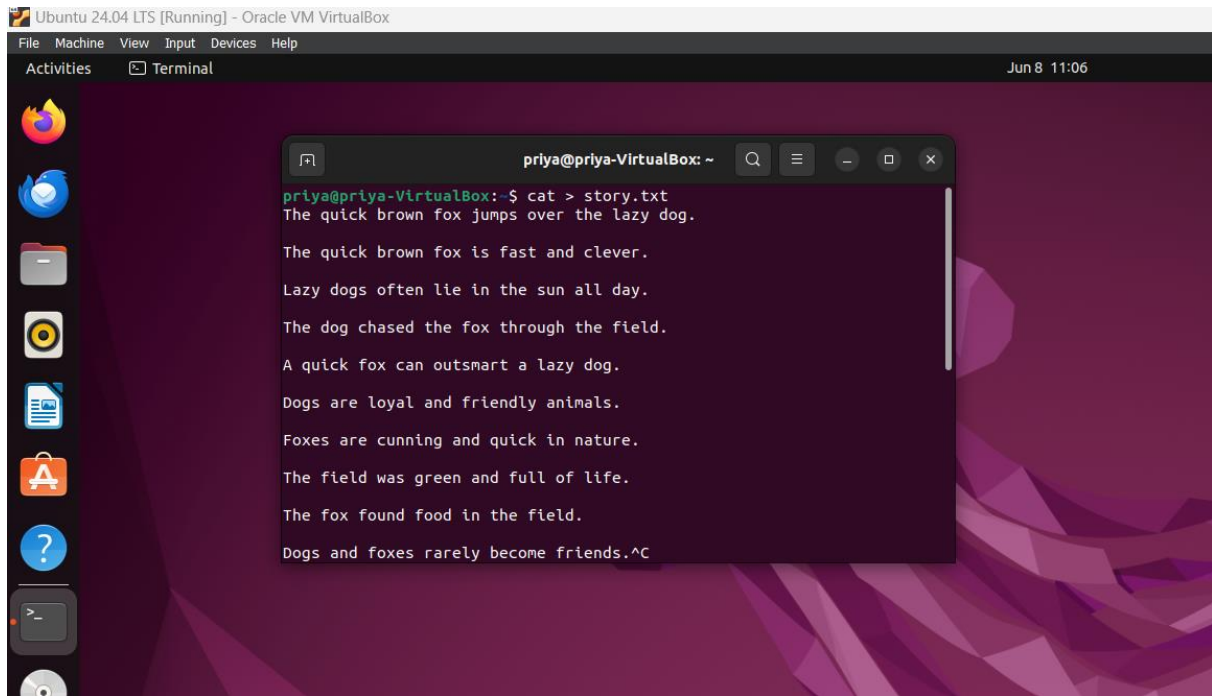
Dogs are loyal and friendly animals.

Foxes are cunning and quick in nature.

The field was green and full of life.

The fox found food in the field.

Dogs and foxes rarely become friends.



```
Ubuntu 24.04 LTS [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Jun 8 11:06

priya@priya-VirtualBox: ~
priya@priya-VirtualBox:~$ cat > story.txt
The quick brown fox jumps over the lazy dog.

The quick brown fox is fast and clever.

Lazy dogs often lie in the sun all day.

The dog chased the fox through the field.

A quick fox can outsmart a lazy dog.

Dogs are loyal and friendly animals.

Foxes are cunning and quick in nature.

The field was green and full of life.

The fox found food in the field.

Dogs and foxes rarely become friends.^C
```

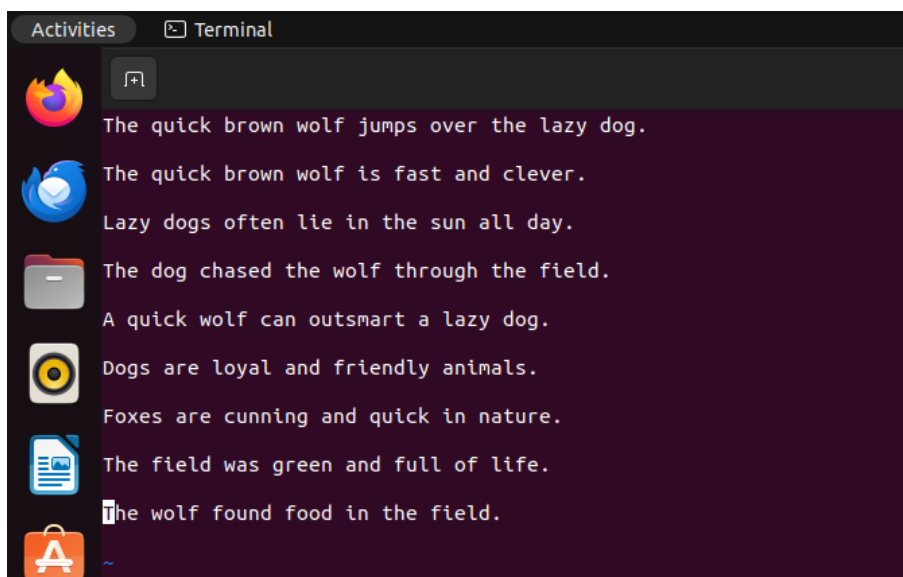
The file story.txt is created and the content has been written into it.

Open story.txt file and do the following,

1. Replace fox with wolf, save and quit the file. Open and see if the changes gets reflected.

Here all the occurrences of the word “fox” has been replaced with “wolf”.

Command used: %s/fox/wolf/g



```
Activities Terminal

The quick brown wolf jumps over the lazy dog.

The quick brown wolf is fast and clever.

Lazy dogs often lie in the sun all day.

The dog chased the wolf through the field.

A quick wolf can outsmart a lazy dog.

Dogs are loyal and friendly animals.

Foxes are cunning and quick in nature.

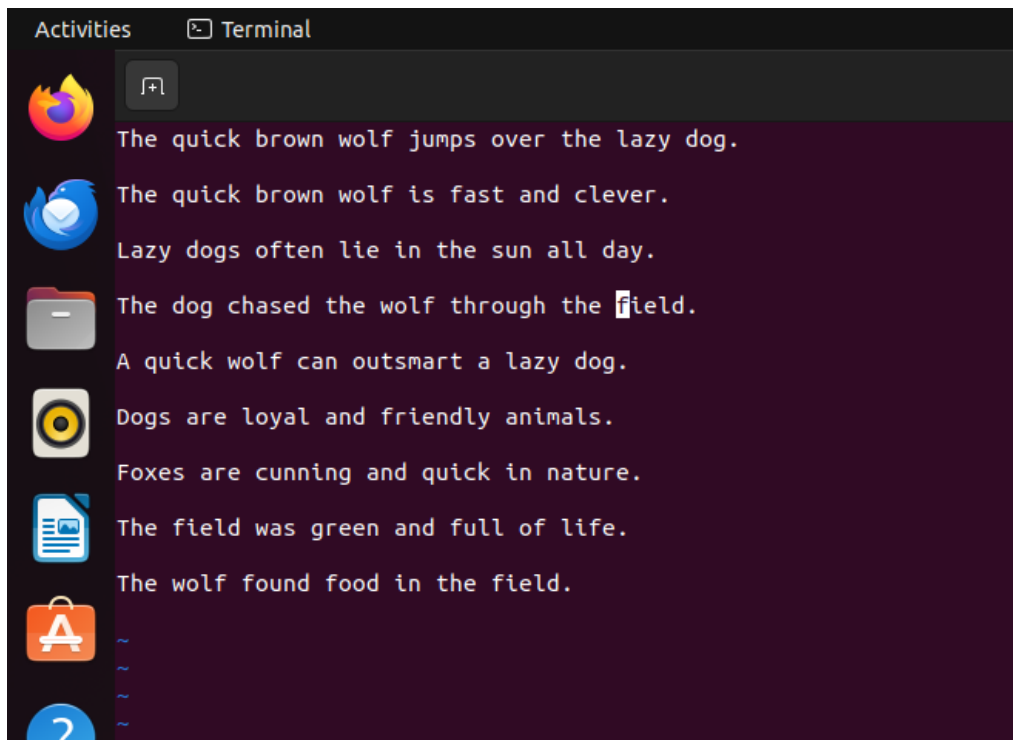
The field was green and full of life.

The wolf found food in the field.

~
```

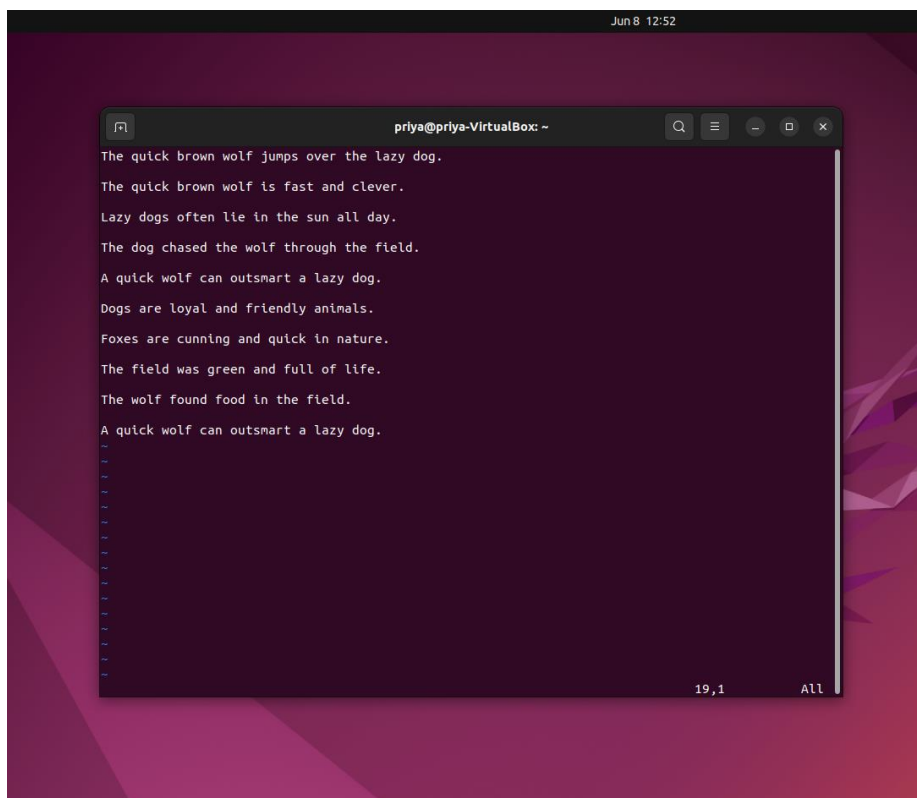
2. Search for string "field" in the file and move to next and previous occurrences of the string.

I've searched the string with '/field' command and navigated to next and previous occurrence with 'n' and 'N' commands. You can see that the cursor is placed at the first occurrence of the 'field'.



3. Copy the entire line "A quick fox can outsmart a lazy dog" and paste at the end of file and save it.

To copy and paste a line, I used 'yy' and 'p' commands



To replace a character with another one, I used the following commands:

[illegible]