Git Assignment

Git Repository Detail:

Repository name- Git_Assignment_NucleusTeq
Repository Link- https://github.com/Pakhi-21/Git_Assignment_NucleusTeq

Assignment:

1. Create a New Repository.

Create repo on local system by
-cd Git_Assignment_PakhiGupta
-git init
Connect with remote repo of Github

-git remote add https://github.com/Pakhi-21/Git Assignment NucleusTeq.git

```
MINGWOCA_C/Users/PAXHI/Git_Assignment_PakhiGupta

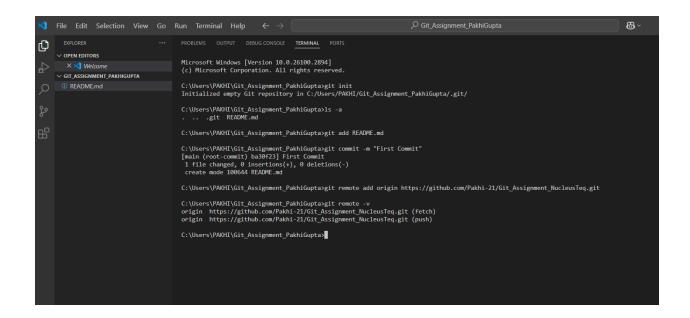
PAKHISDESKTOP-012MSN7 MINGWG4 ~ (main)
git version 2.42.0.windows.2

PAKHISDESKTOP-012MSN7 MINGWG4 ~ (main)
skidir Git_Assignment_PakhiGupta

PAKHISDESKTOP-012MSN7 MINGWG4 ~ (main)
s cd Git_Assignment_PakhiGupta

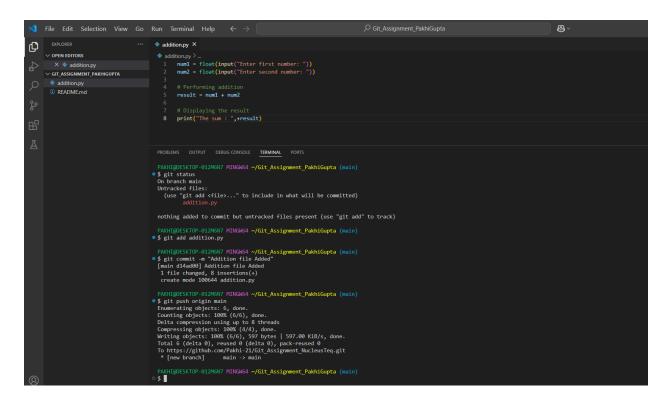
PAKHISDESKTOP-012MSN7 MINGWG4 ~ (main)
s pwd
/c/Users/PAXHIJGit_Assignment_PakhiGupta (main)
s git config --global user.name "PakhiGupta (main)
s git config --global user.name "Pakhi-21"

PAKHISDESKTOP-012MSN7 MINGWG4 ~/Git_Assignment_PakhiGupta (main)
s git config --global user.email "pakhiguptaSSGGgmail.com"
PAKHISDESKTOP-012MSN7 MINGWG4 ~/Git_Assignment_PakhiGupta (main)
s git config --global user.email "pakhiguptaSSGGgmail.com"
PAKHISDESKTOP-012MSN7 MINGWG4 ~/Git_Assignment_PakhiGupta (main)
s git config --list
diff.ast extpl-nin.textconvex extplain
fif.extpl-nin.textconvex extplain
fif.extpl-nin.textconvex extplain
http:sp-coss-git-list file-rprocess
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process-git-lfs file-rprocess
http:sslbackendespenssl
http:ss
```



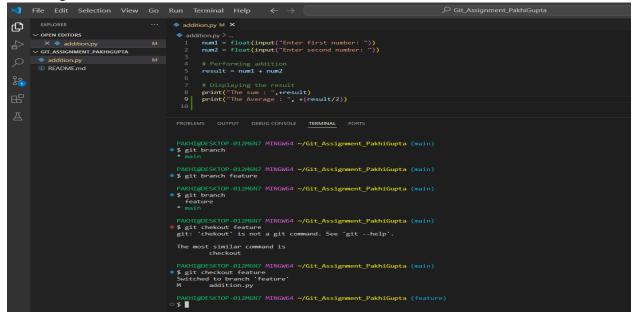
2. Create a New File

- -touch addition.py
- -git add addition.py
- -git commit -m "Addition file added"
- -git push origin main



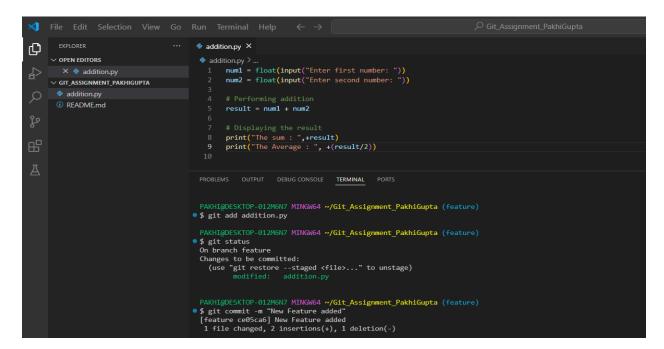
3. Create a Branch

- -git branch feature
- -git checkout feature



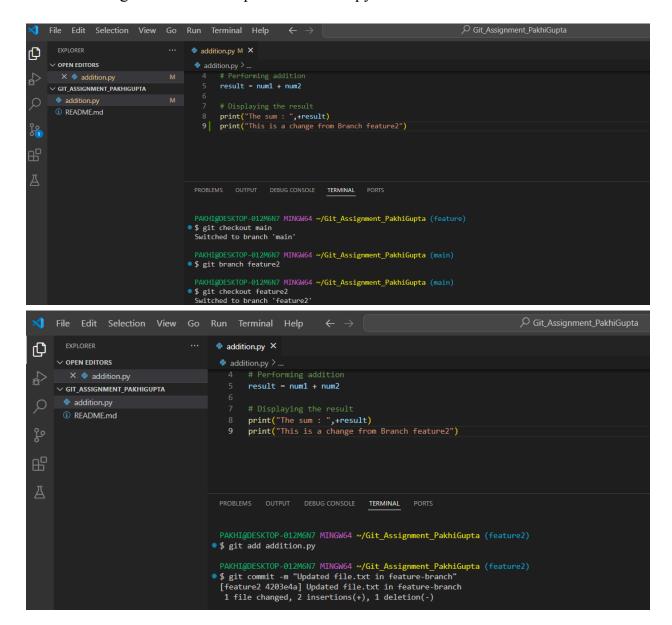
4. Make Changes in the New Branch

- -In feature branch, added new line in addition.py
- -Staged and commit the changes:
 - git add addition.py
 - git commit -m "New feature added"



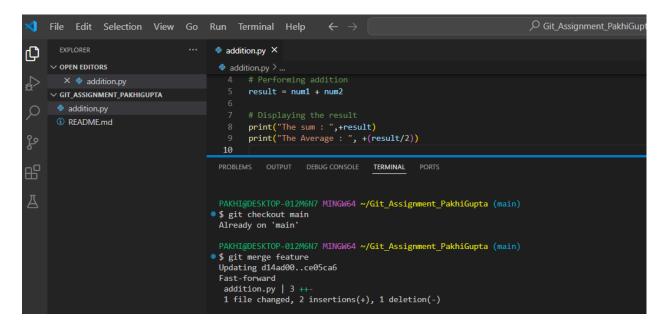
5. Create Another Branch (Optional)

- -From main, create new branch feature2, move to feature2 branch
- -Add new line in addition.py
- -Staged and commit the file
 - git add addition.py
 - git commit -m "Updated addition.py in feature2"

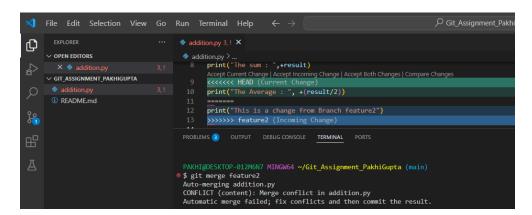


6. Merge Branches

- -Merge feature branch into main branch:
 - git checkout main
 - git merge feature
 - Merge successfully done

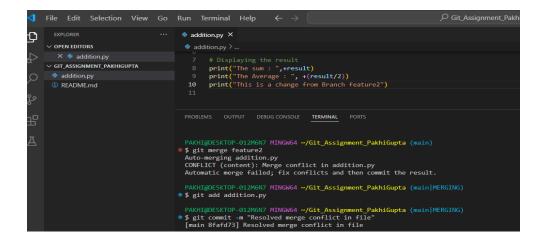


- -Merge feature2 branch into main:
 - git merge feature2
 - Merge conflicts occur.



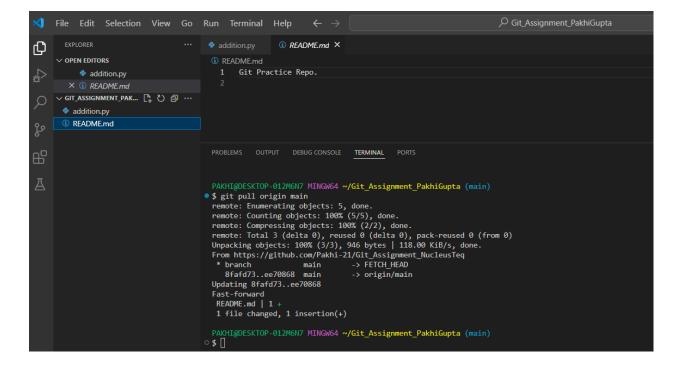
- To resolve the conflict, open the conflict file addition.py
- Remove the conflict marker from the file, keep the correct version, then save the file, staged and commit the file.

- git add addition.py
- git commit -m "Resolved merge conflict in file"



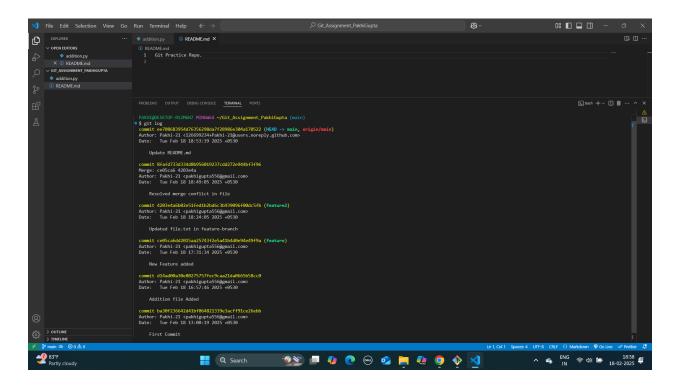
7. Pull Changes from Remote

- -Make changes in remote repo, pull the code in local repository.
- -git pull origin main



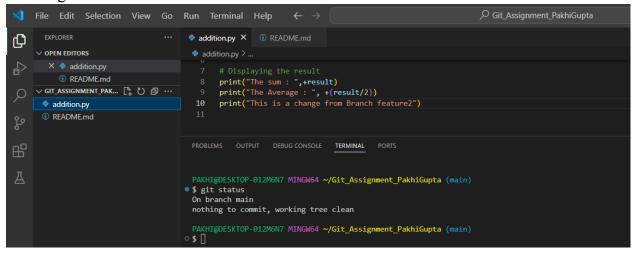
8. View Git Log and History

-git log



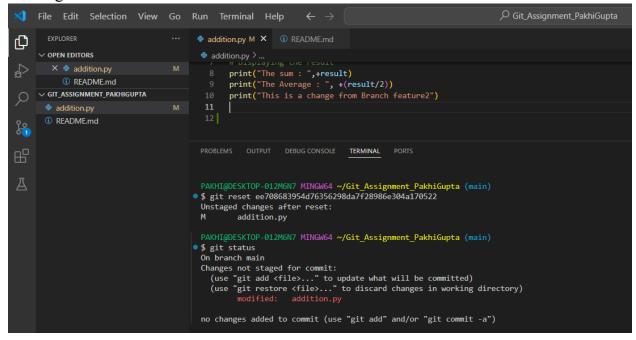
9. Git Status and Staging

- -git status
- -git add.



10. Revert and Reset

- -Reset Undo commits and remove changes
- -git reset ee708683954d76356298da7f28986e304a170522



-Revert Undo a commit but keep history

