Assignment -1 (Repo name: my-repo)

1. Commit a repository with a single file change.

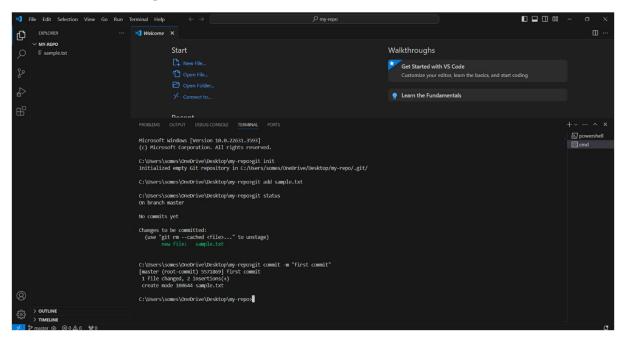
A simple file is created and a small change is done.

To start a git session : git init

After naking changes we have to add the files to repo : *git add sample.txt* or *git add .*(to add all the files).

To commit the changes : git commit -m "first commit"

To check the status : *git status*



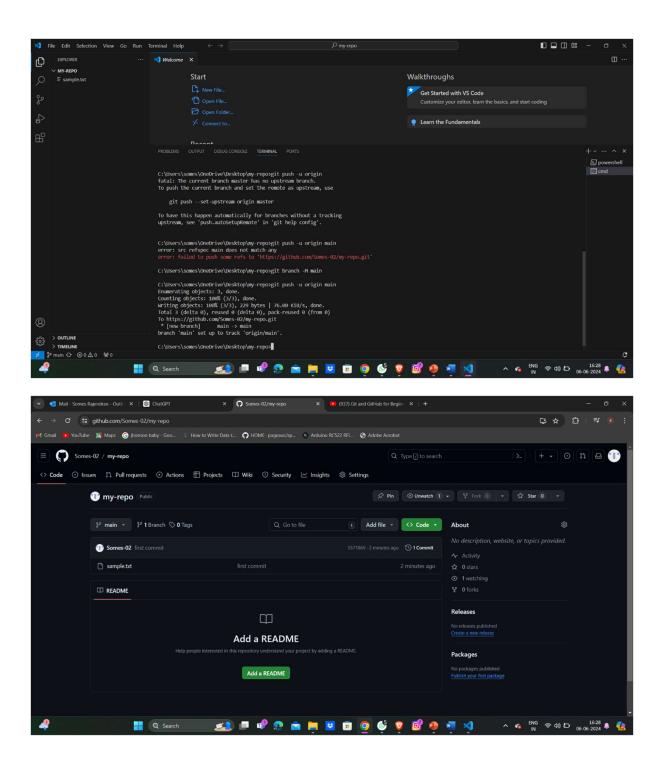
Committed to a repo and pushed.

Now after committing the changes, we have to push the file to the repo that we created in GitHub.

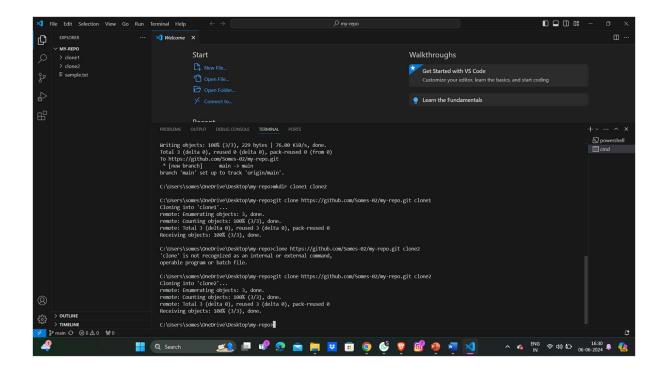
To push: git push -u origin main

The -u stands for upstream which means we are setting the "main" branch as the default origin for pushing.

To connect the GitHub repo to our local repo: git remote add origin <URL of the repo>

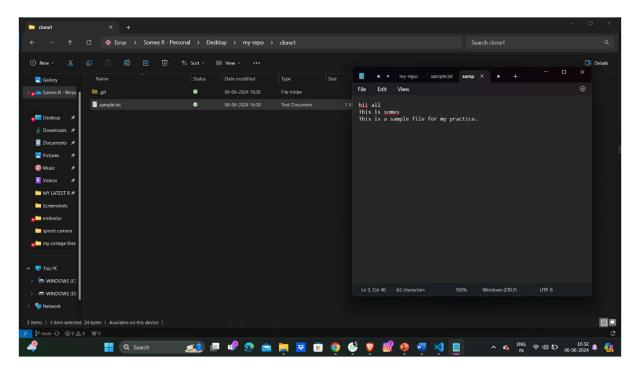


2. Create 2 new directories in local PC and clone the repository on both directories.

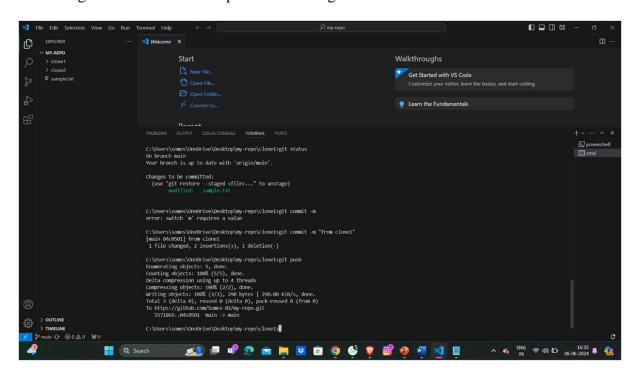


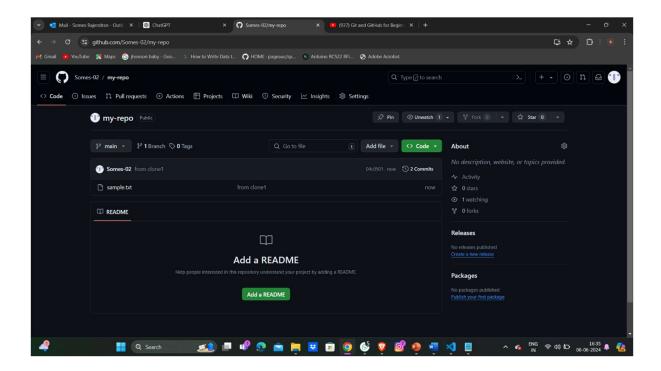
3. Make changes in one of the directories and commit and merge the changes.

Changes made in one directory.



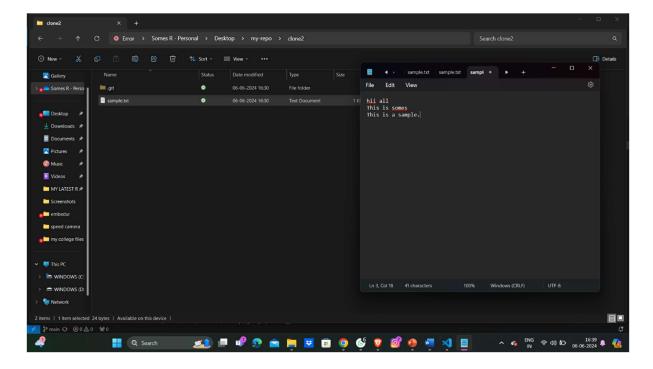
The changes are committed and pushed and merged.





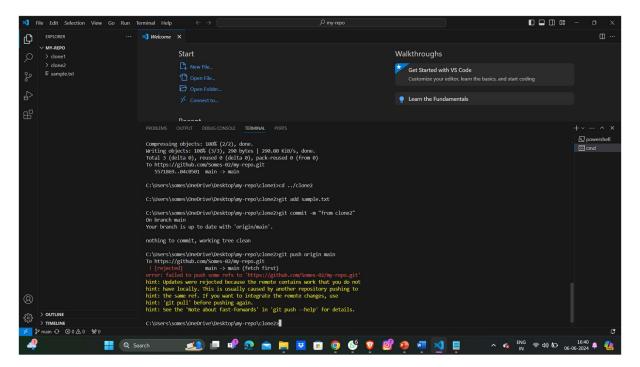
4. Parallelly make a change in the same file in another directory and when the changes are pushed, there should be merge conflict noticed which should be resolved and pushed changes again.

Changes are made in the second file.



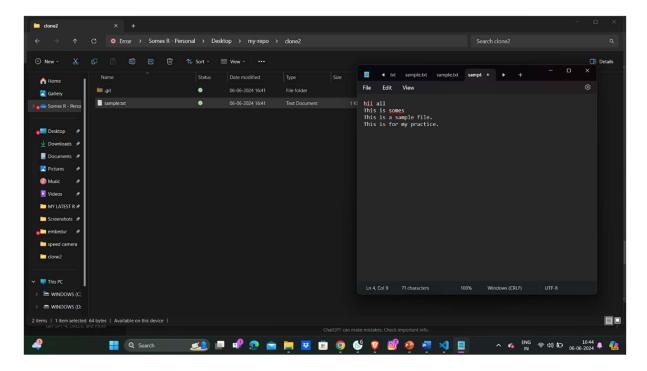
Merge Conflict

Trying to push the file from the second directory.

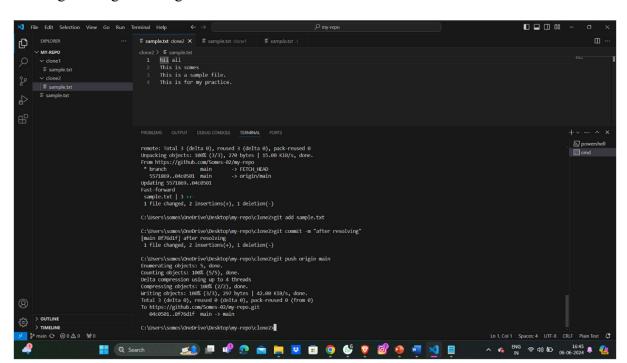


5. Merge the changes

Resolving the changes



Pushing aftering resolving the conflict



The final status of the repo after all the changes.

