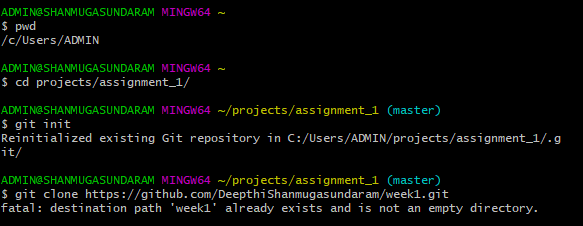
**Publicis Sapient PJPAssignment\_1**

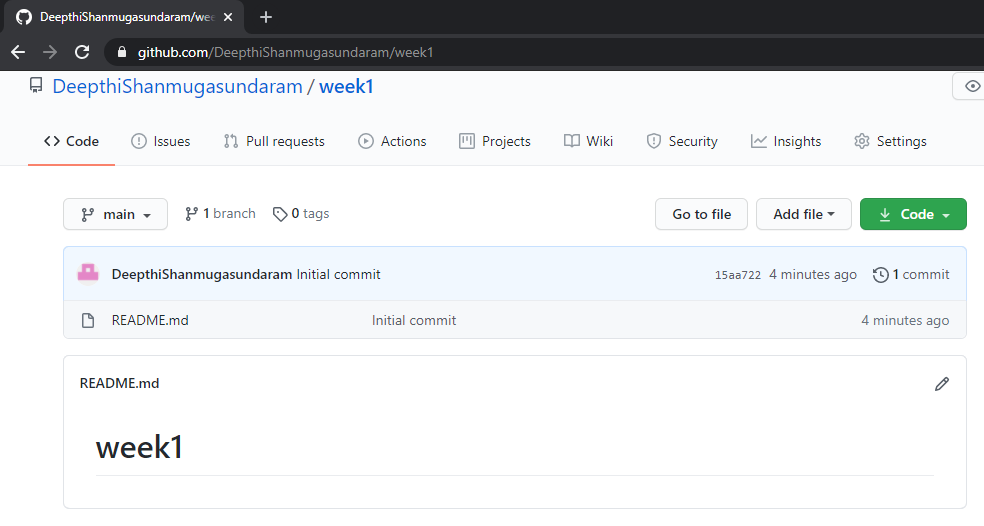
**GIT**

**by**

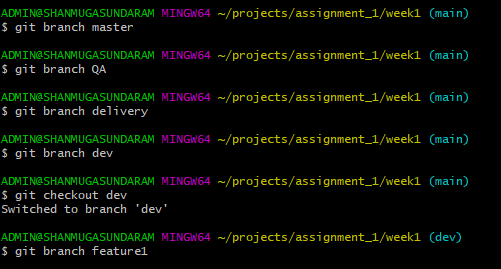
Deepthi Shanmugasundaram

1.a.i. Local repository:

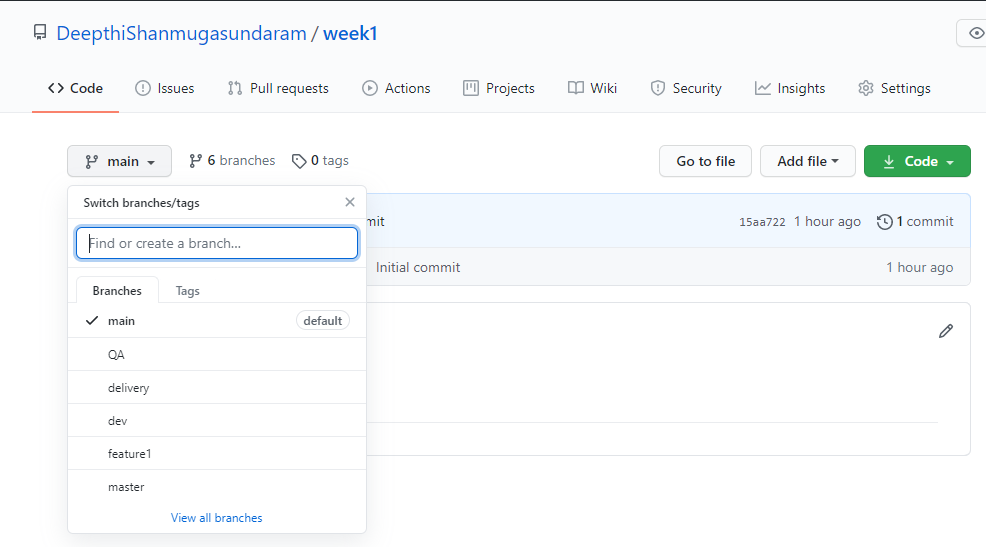
ii.Remote Repository:



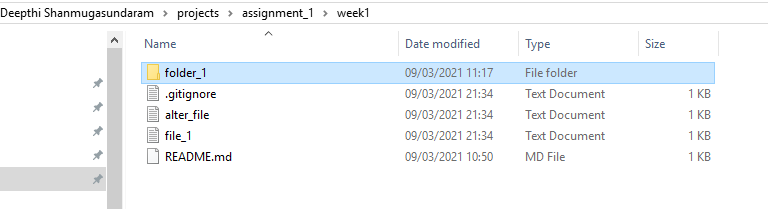
iii.local branches:



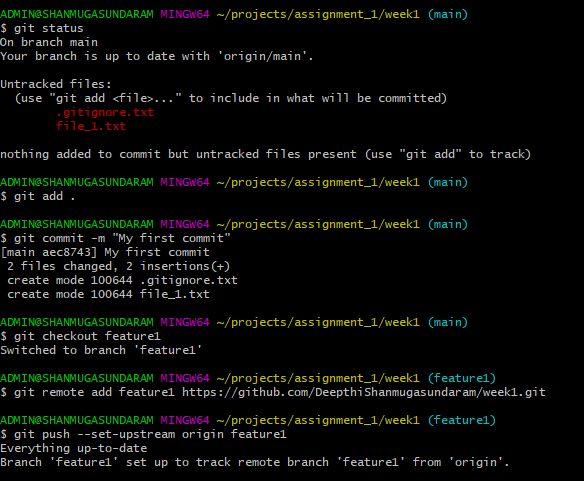
iv.remote branches:

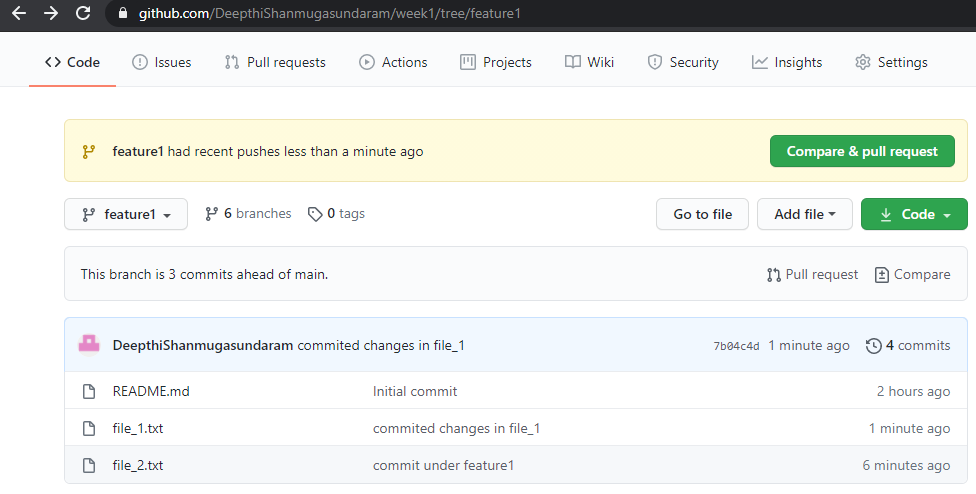


v.Add files and folders:

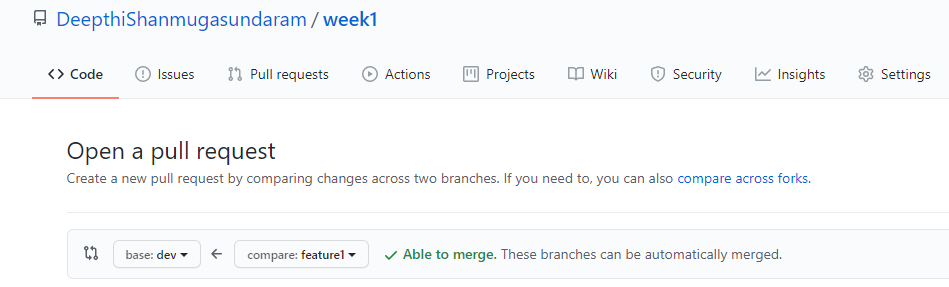


vi.Check-in ,Stage, Commit,Push into feature1:



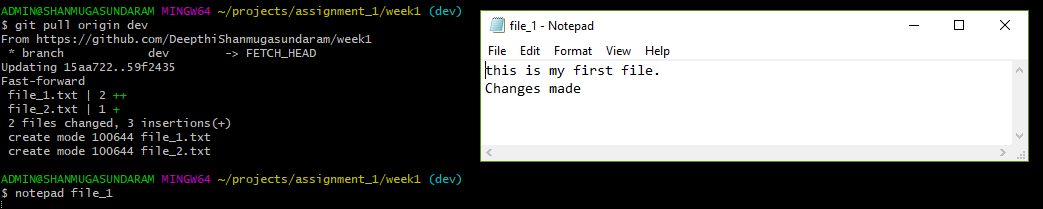


vii.Promote code from feature1 to dev:



viii.Latest code from remote to local:

Pull updated local dev branch from remote repository.

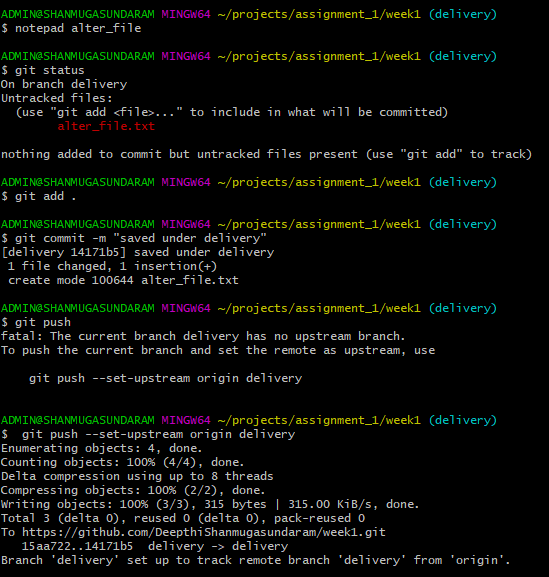


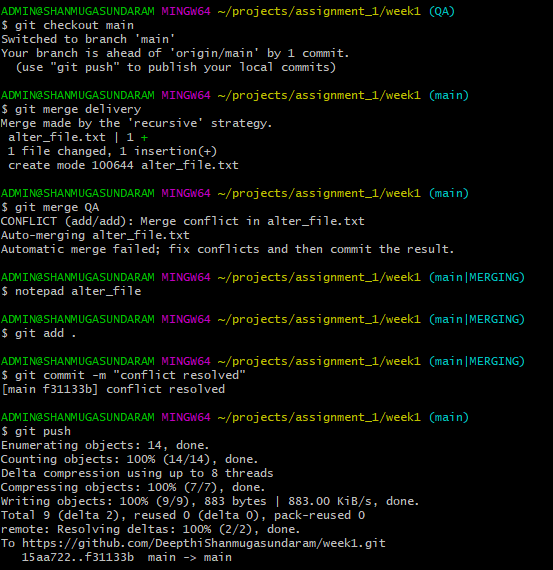
ix.Checkout: **Fetches the** latest changes into already downloaded repository. It wont merge those new changes but makes your working directory reflect them.

 Pull:Fetches and merges in local branch.

x.Handle Merge Conflict:

Same file(alter\_file) is modified at two different branches and pushed into remote repository.When we try to pull them into main branch using cli,merge conflicts occurs. Resolve this merge conflict with a new commit after changing the text under the branch in which conflict occured.



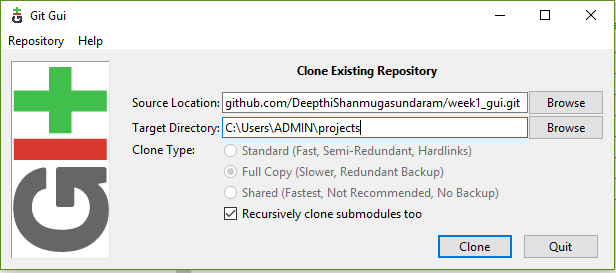


xi.Ensure the code is in sync .with latest changes across all branches:

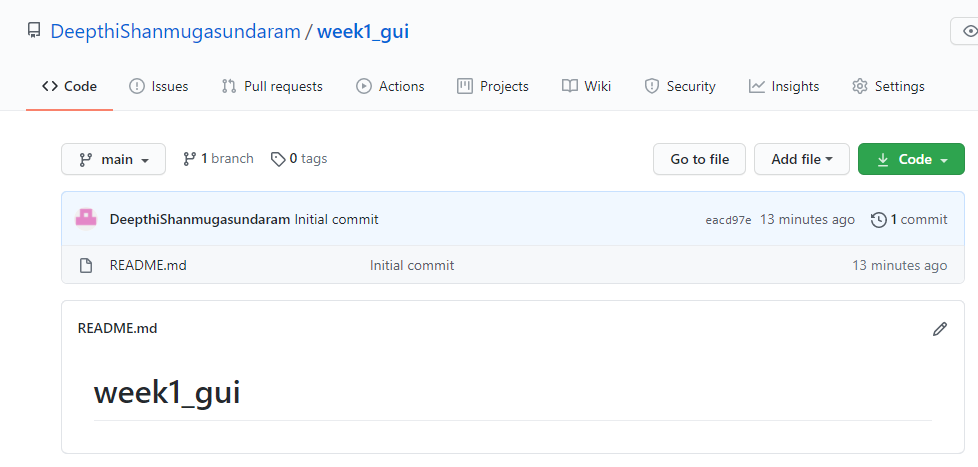
Recent changes made under local branches are pushed into remote branch and pulled to other branches.

GUI

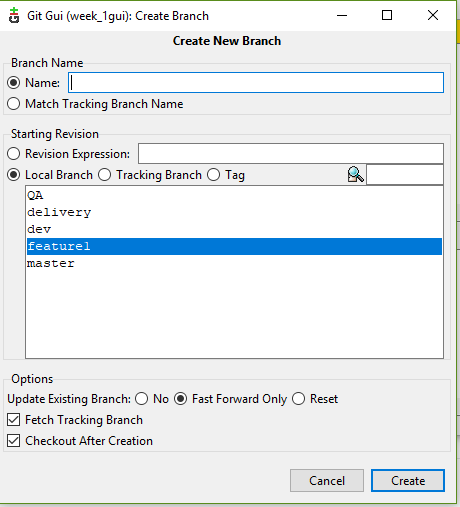
1.b i.Local repository:



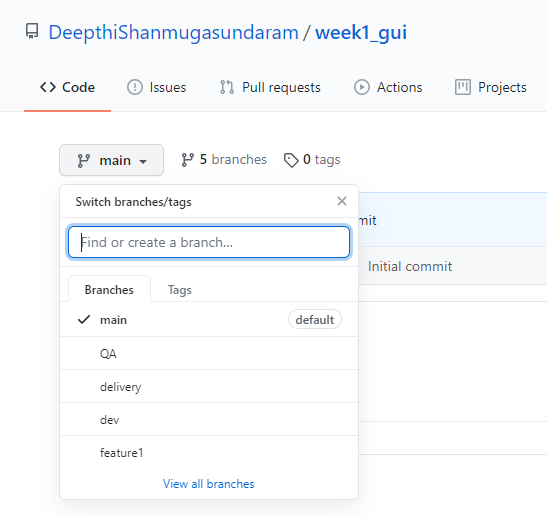
ii.Remote Repository:



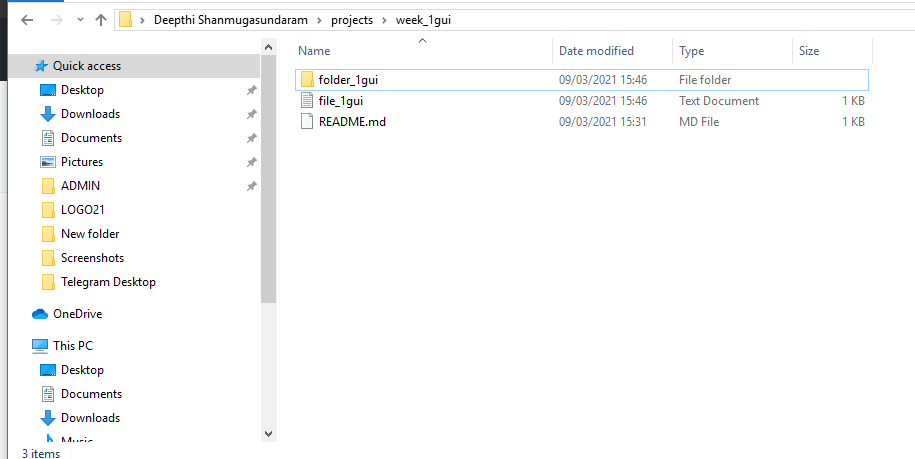
iii.local branches:



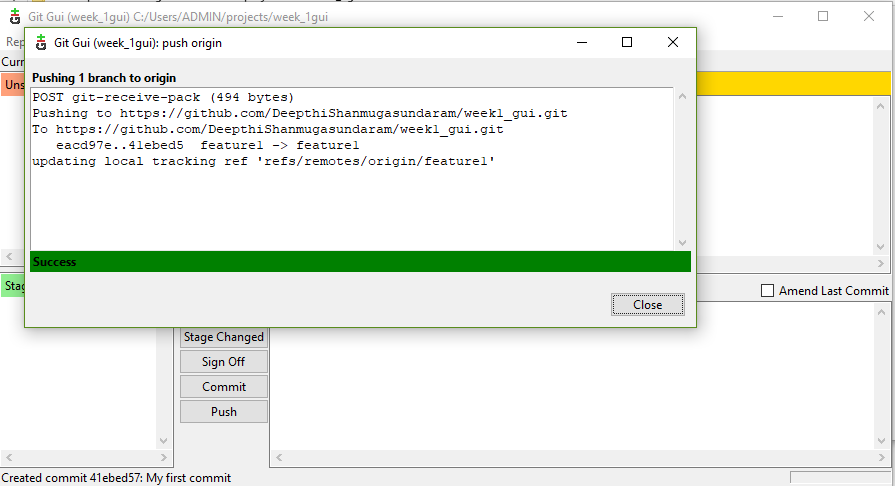
iv.remote branches:



v.add files and folders:

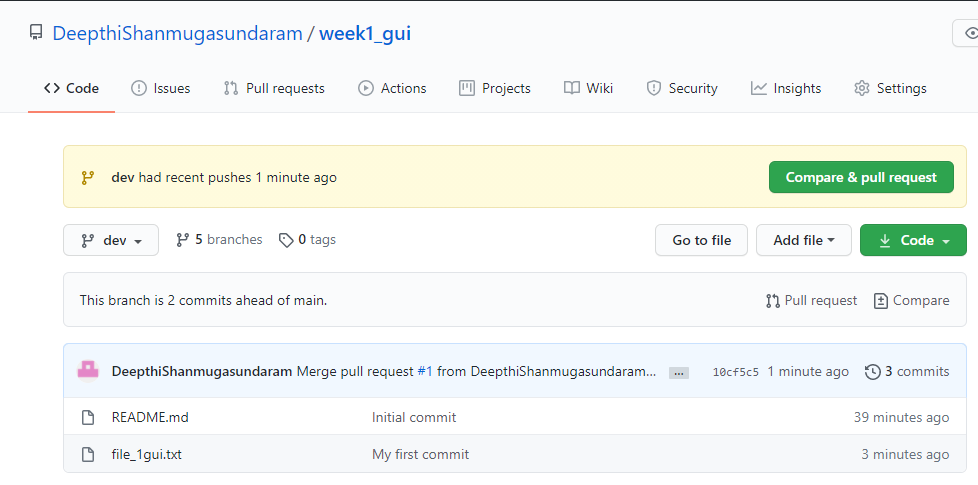


vi.Check-in ,Stage, Commit,Push into feature:



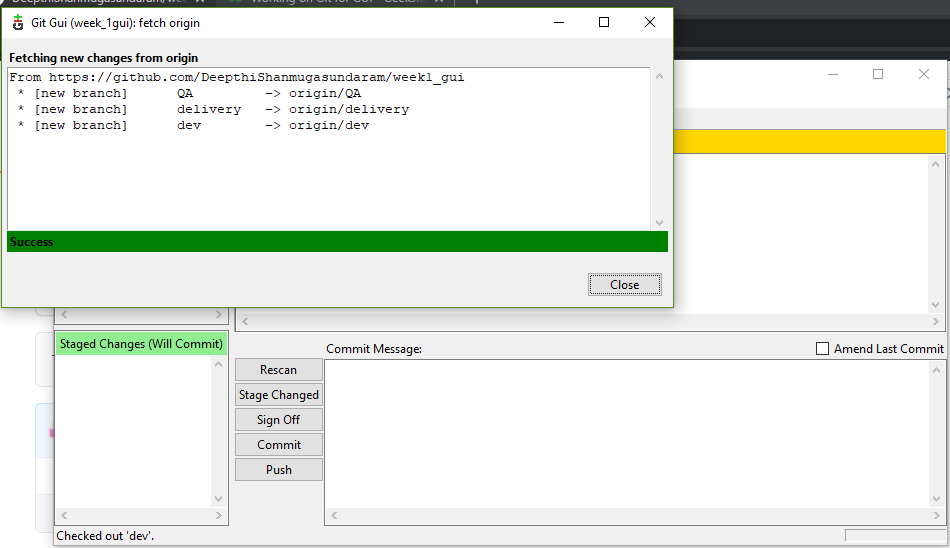
vii.Promote code from feature1 to dev:

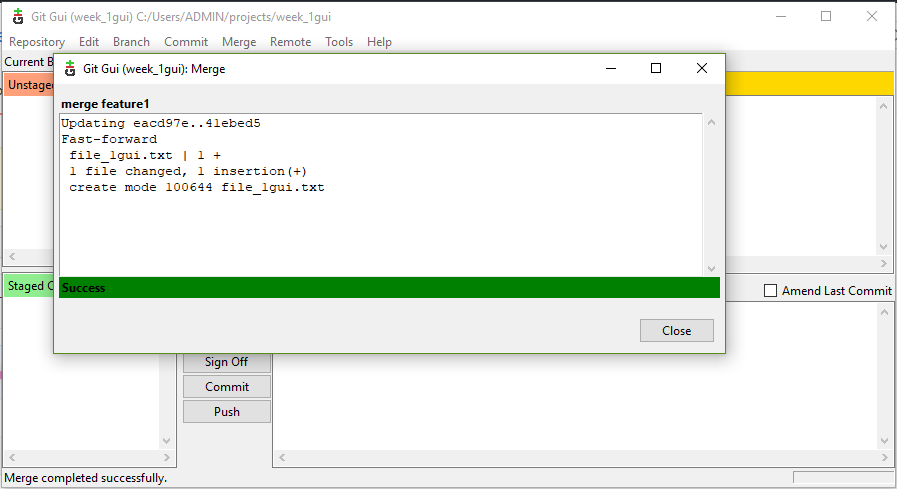
Pull request from feature1 to dev is done.



viii.Latest code from remote to local:

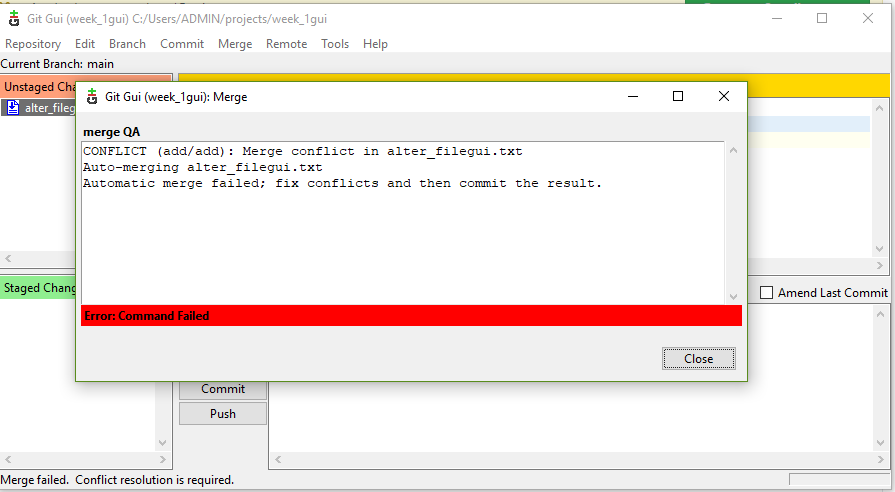
Fetch and merge into local repository



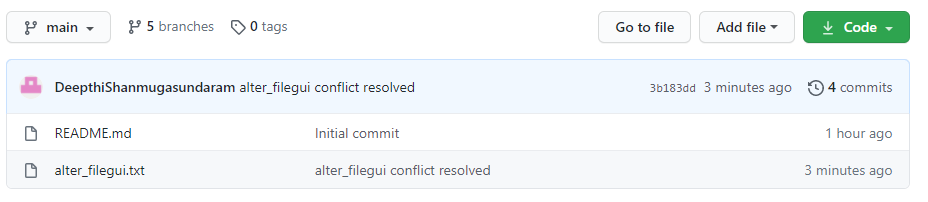


x.Handle Merge Conflict:

Merge conflict occurs when alter\_filegui is merged into main branch as they have been changed under delivery and QA branches .

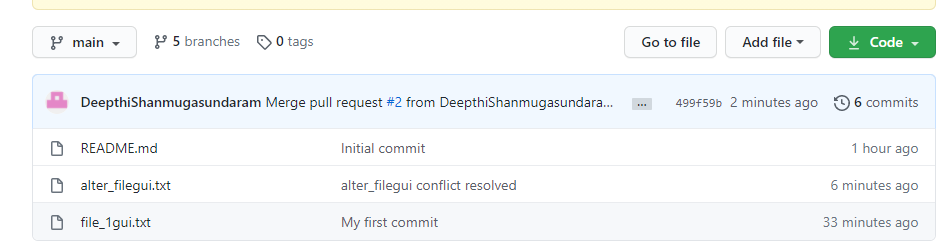


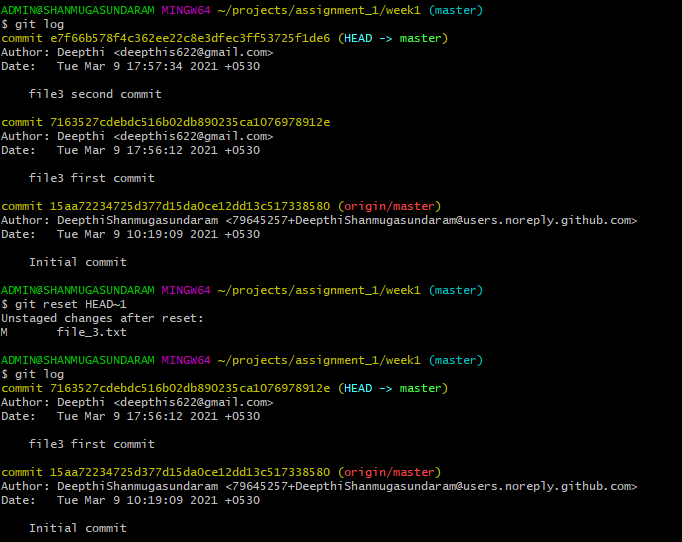
This is resolved by doing a new commit with required changes being done in the conflict file.

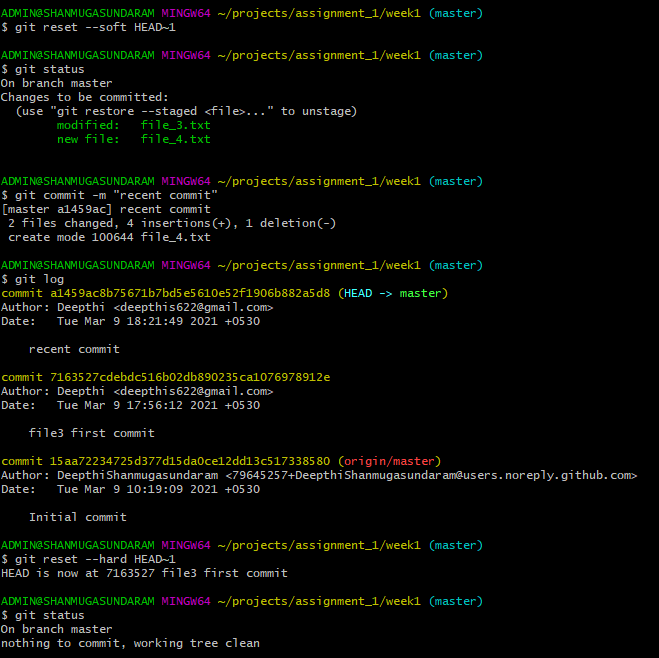


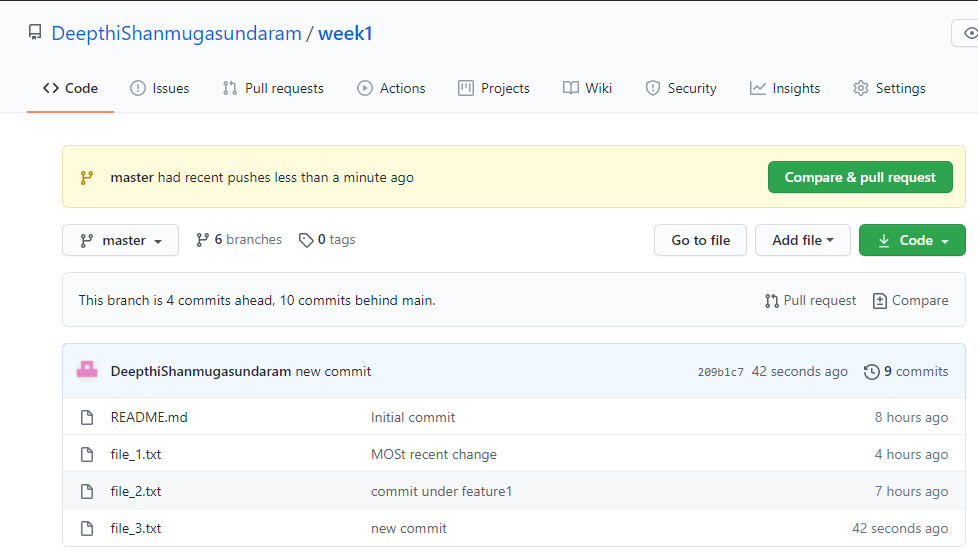
xi.Ensure the code is in sync with latest changes across all branches:

Recent changes are pushed into remote branch and pulled to other branches from there.

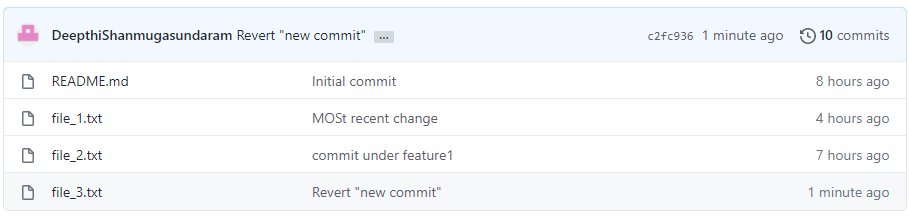


c.i.Reset or reverting the changes

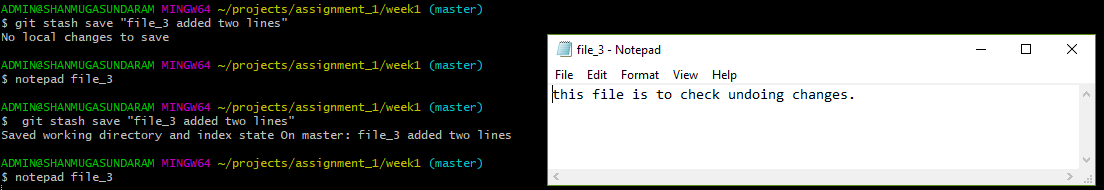


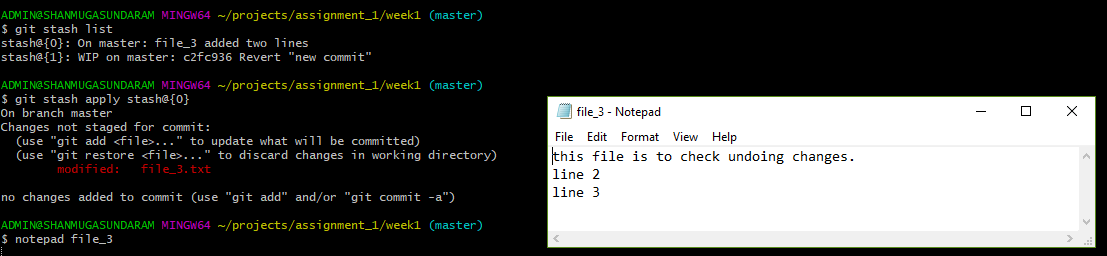


After reverting,file\_3

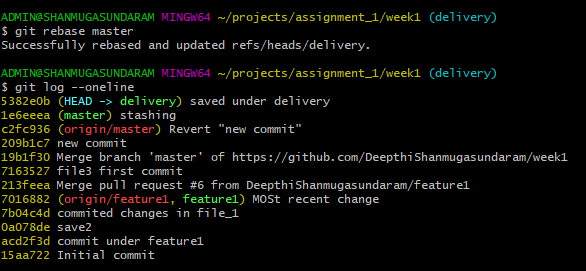


ii.Stash local changes





iii.Rebasing



iv.git log,status & reflog:

