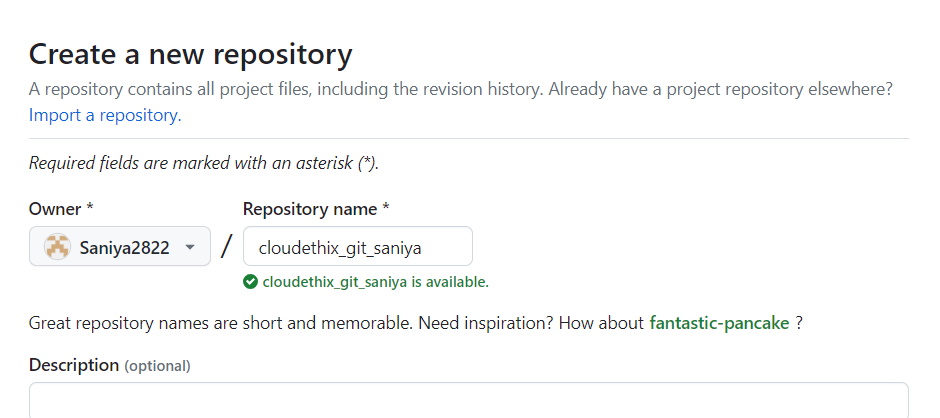
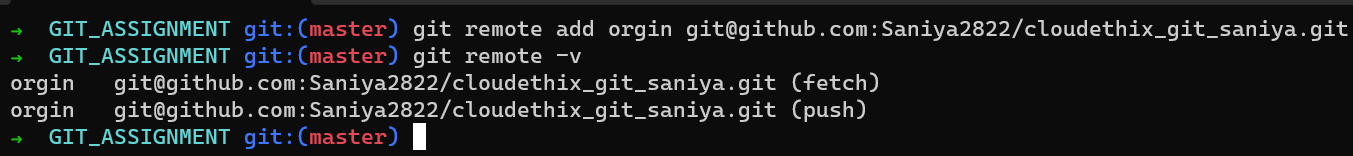
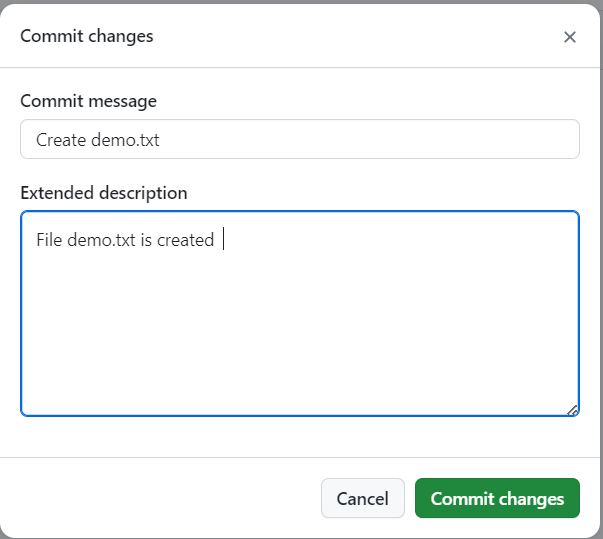
GIT EXERCISE 02

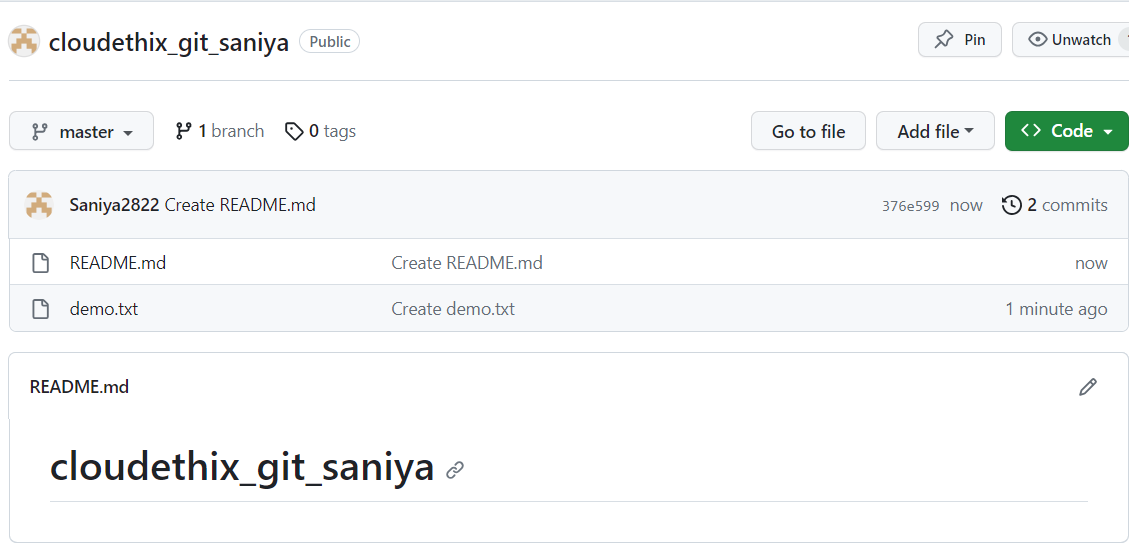
1. **Create a remote "repository" with project name cloudethix\_git\_yourname. Create one file named demo.txt in the master branch of the remote repository. Once a file is created , clone the repository locally. On the local repository create 3 branches: feature/login and feature/mainline, release. Add login.txt file to feature/login branch and push that branch to remote repository. Create PR and approve the PR and then merge the feature/login branch to the remote master branch.**

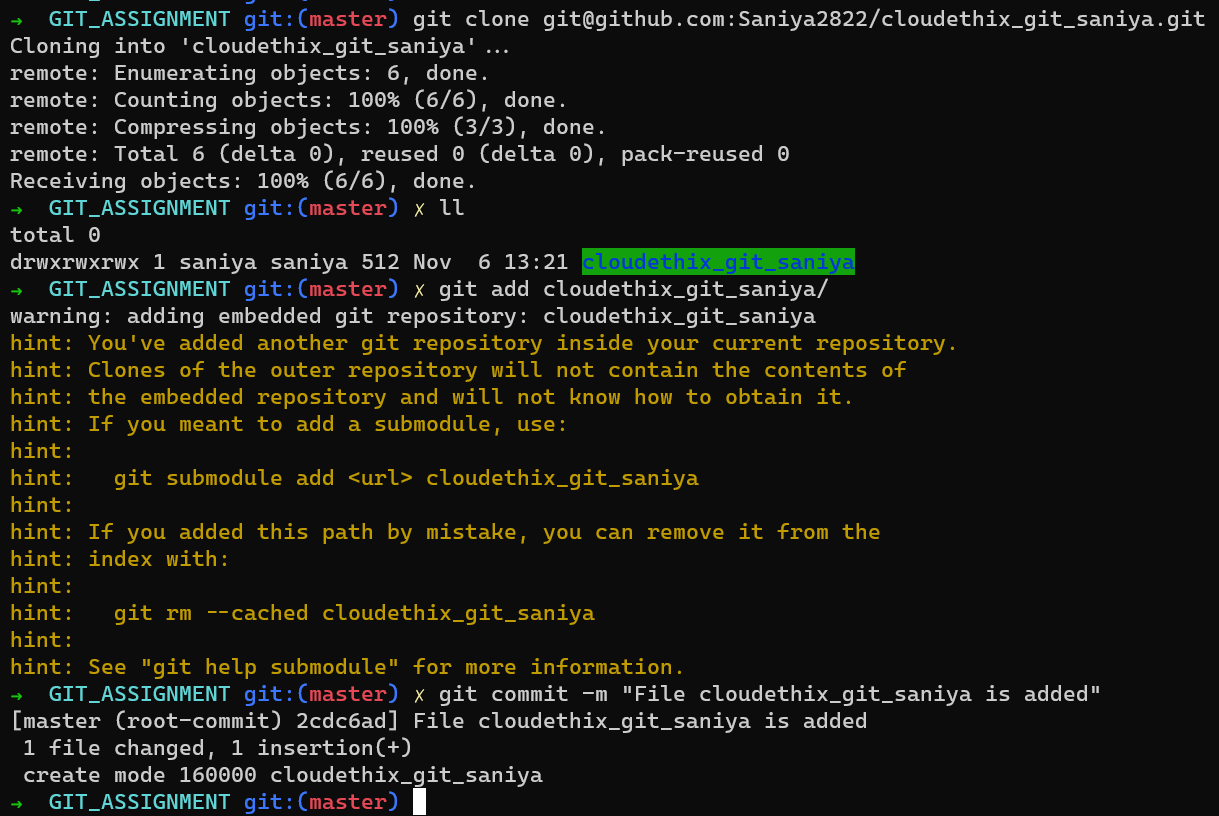
**SOLUTION:-**

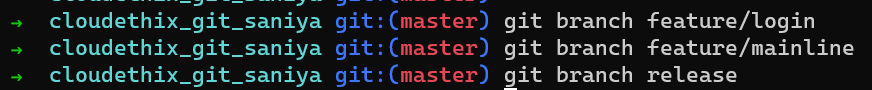


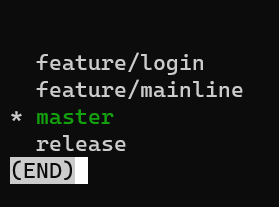


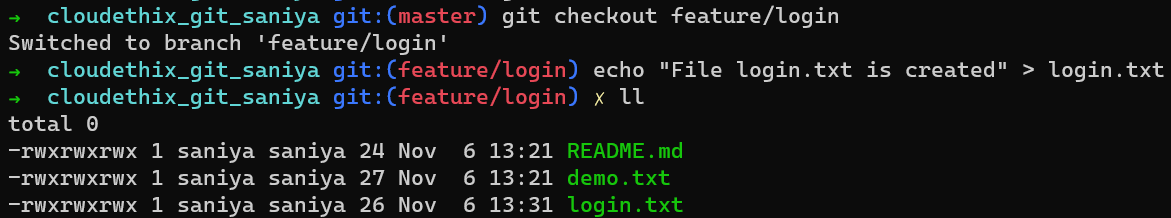


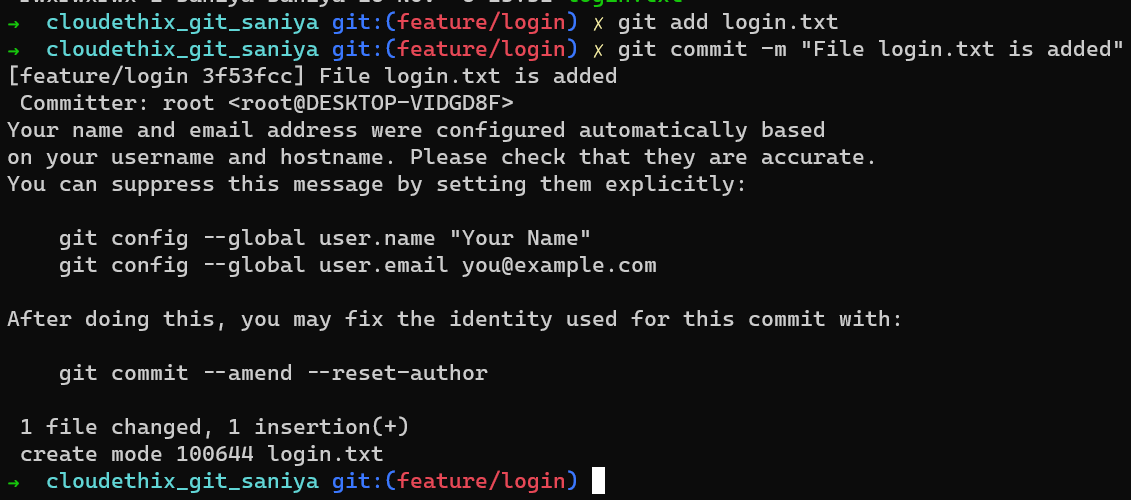


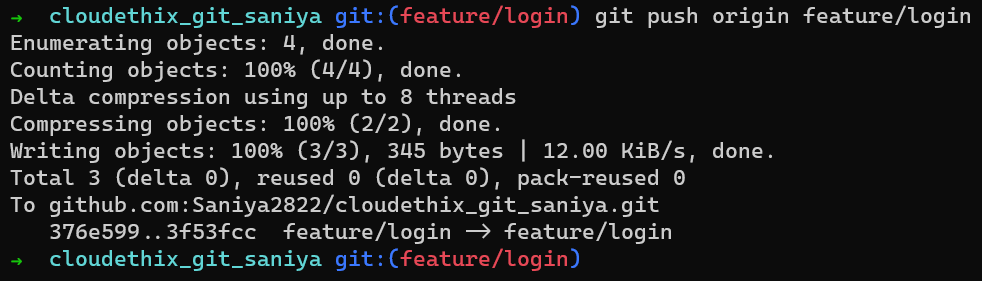


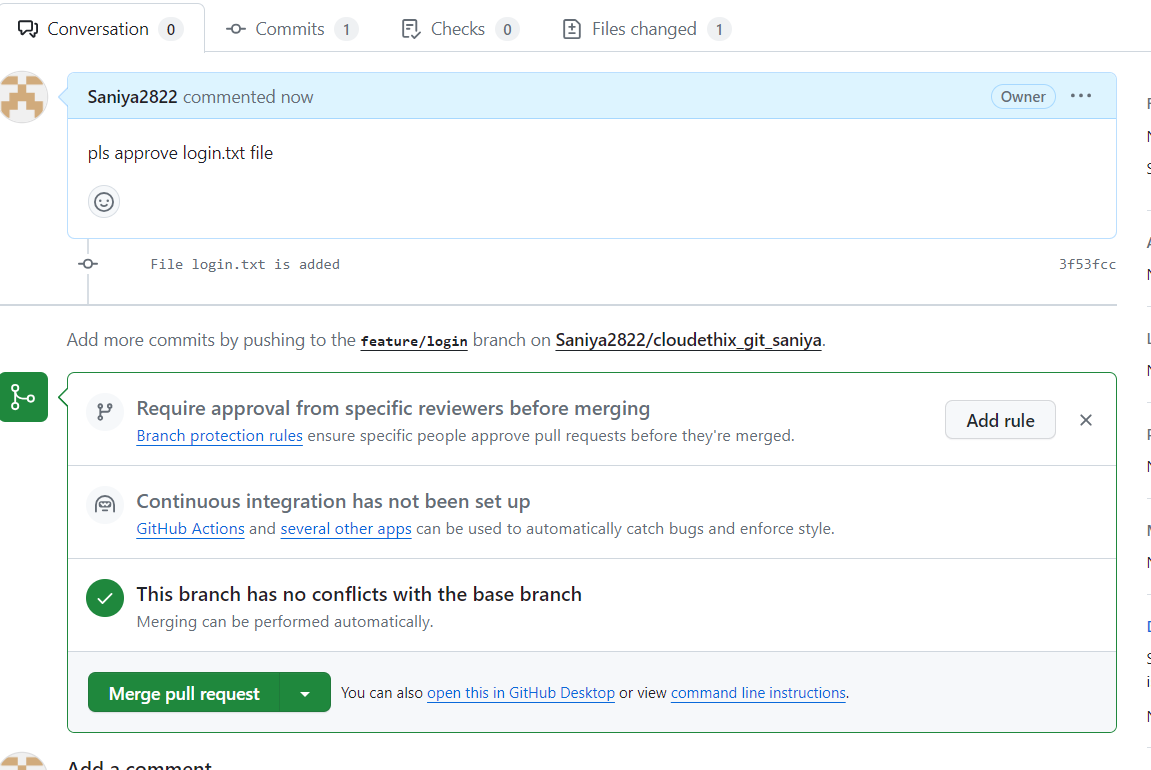


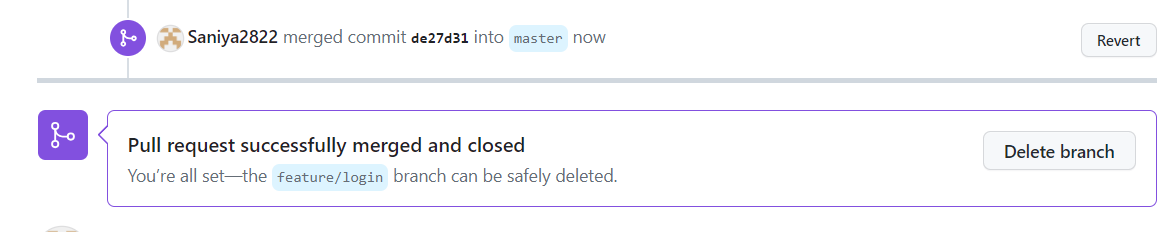


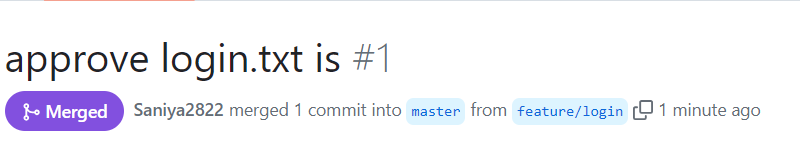


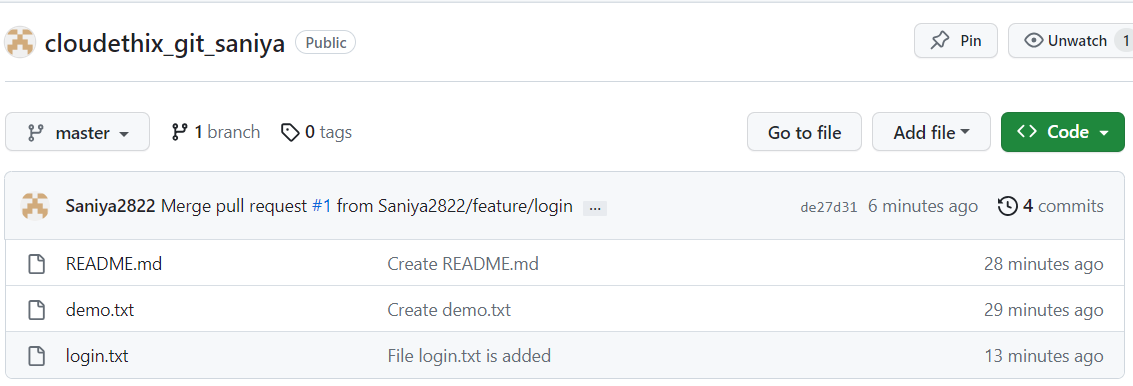






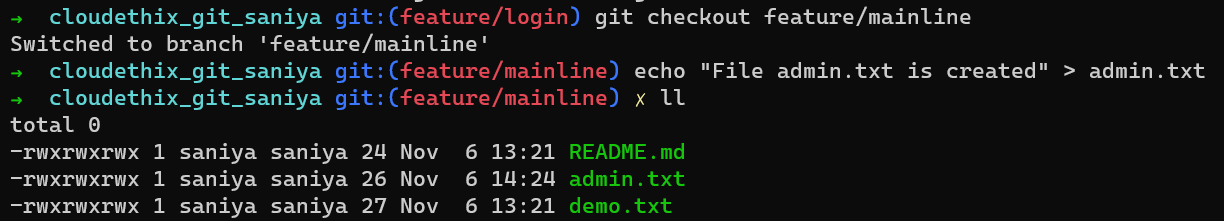


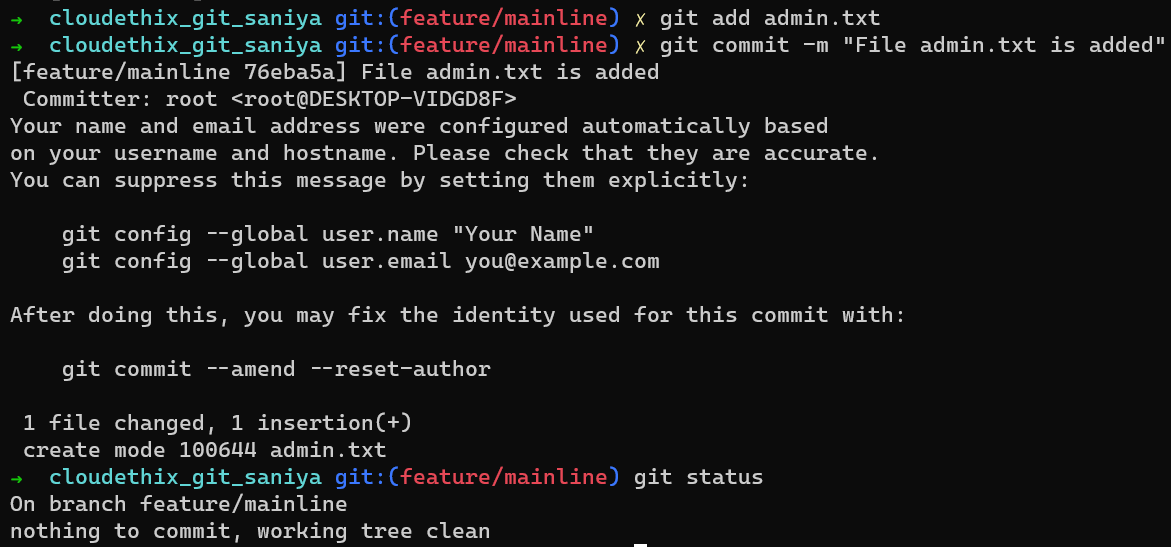


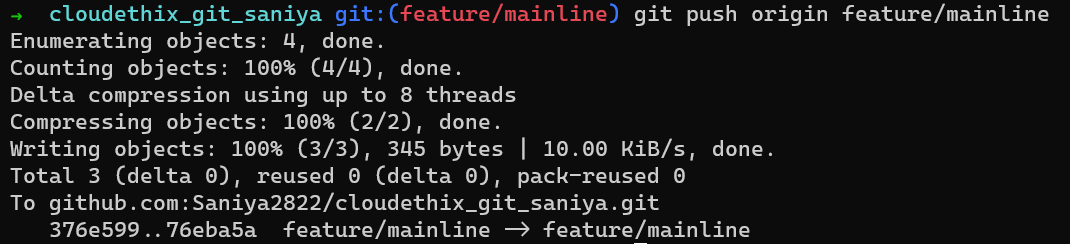


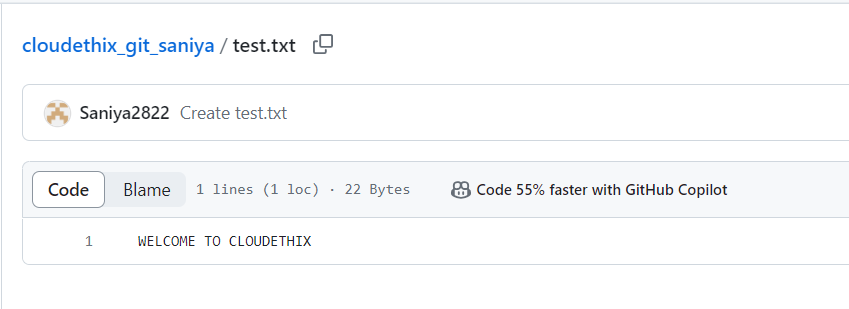
**2.Add files to the feature/mainline branch to local repo and push that branch to remote. Then add some files to the feature/mainline remote branch from the UI. Then fetch the latest changes on local feature/mainline with Fetch and Pull command.**

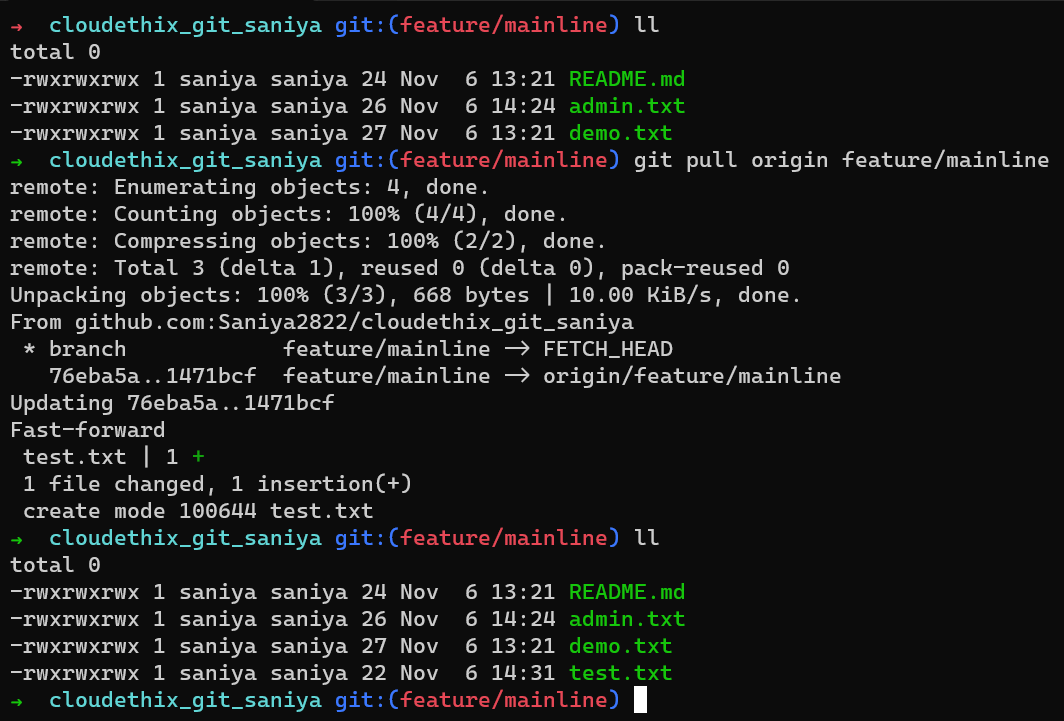
**SOLUTION:-**











**3. Fork below public repository to your account. Then clone the repository locally.**

**Create 2 branches cloud\_dev01. Then add cloud\_dev02 to that repository locally**

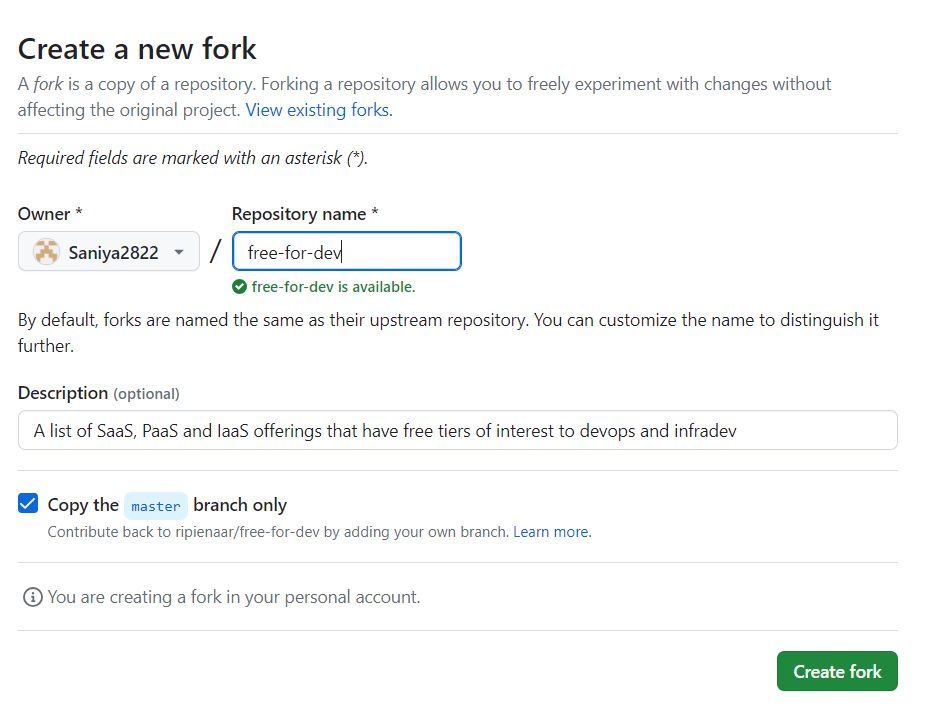
**and hello.txt , moto.txt and world.txt to one branch and add another 3 files to**

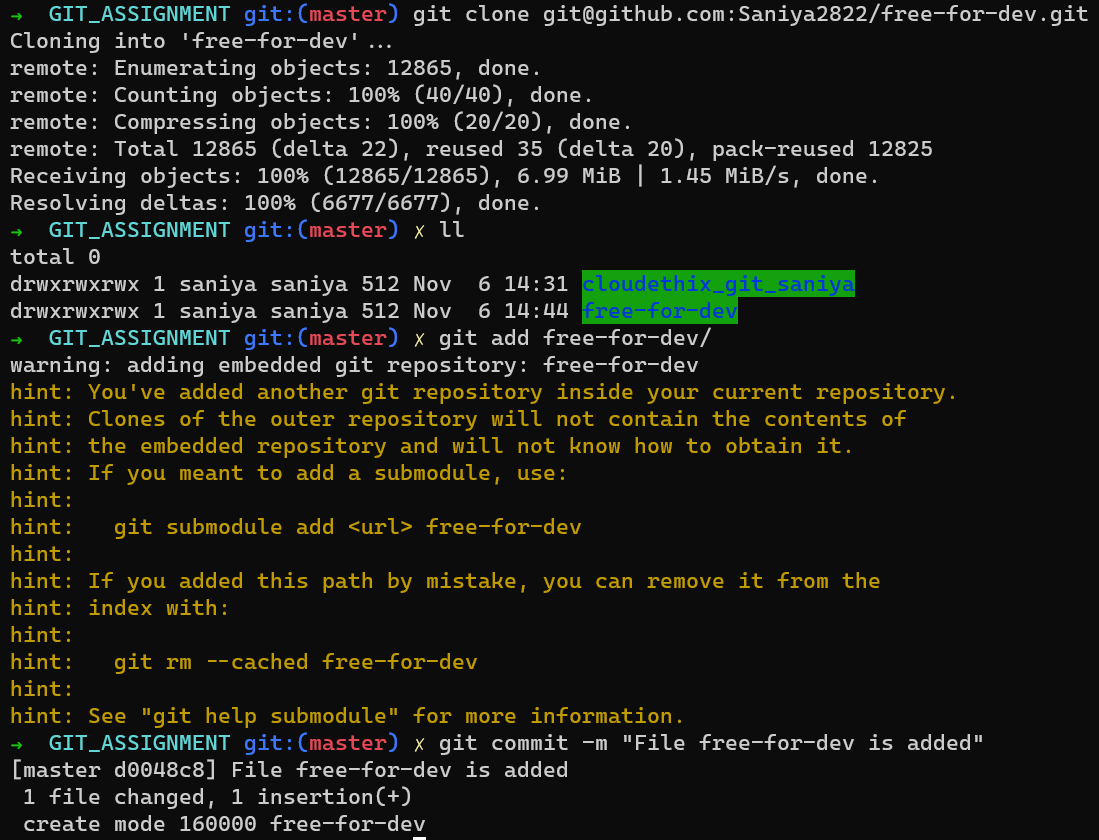
**another branch. Then push cloud\_dev02 branch to the Forked repository on the**

**remote.**

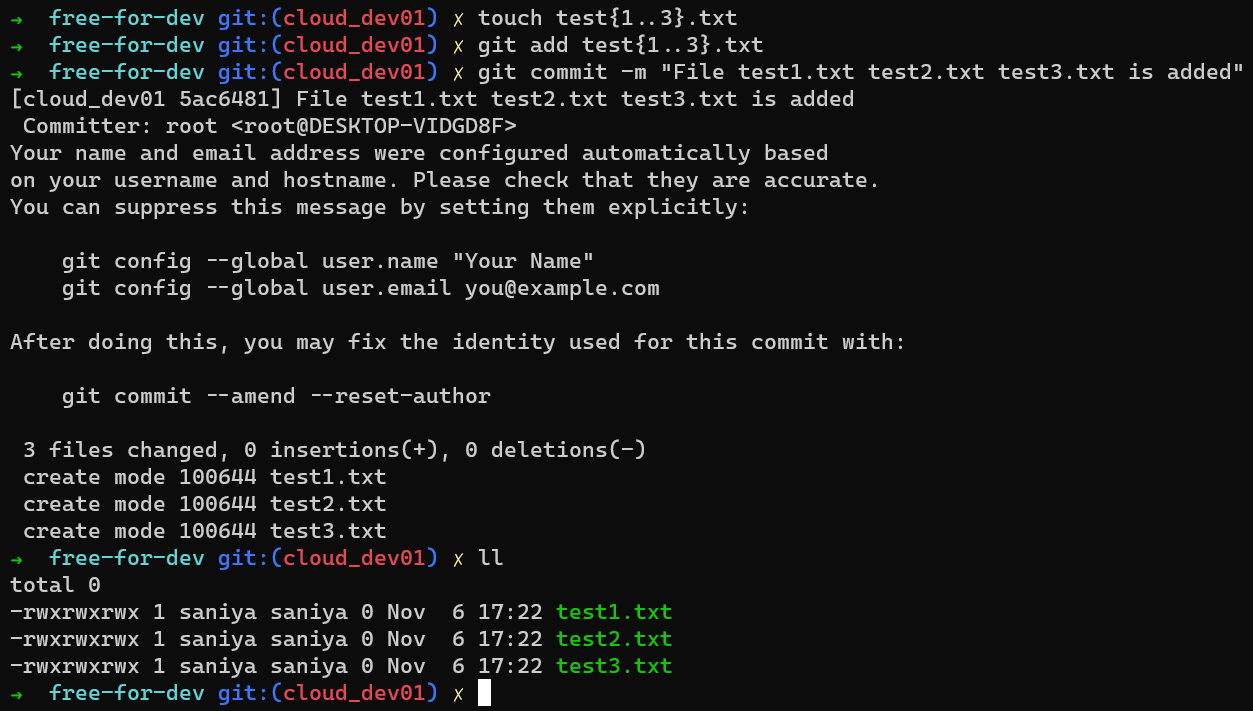
**https://github.com/ripienaar/free-for-dev**

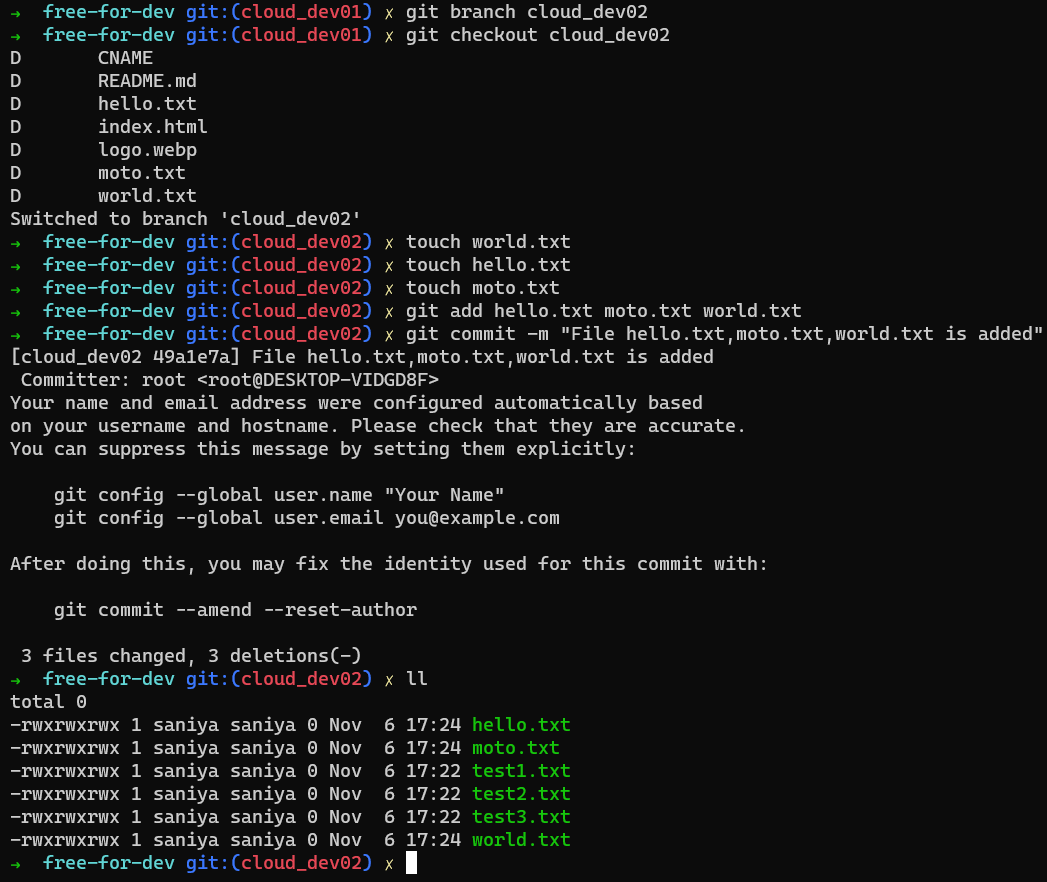
**SOLUTION:-**

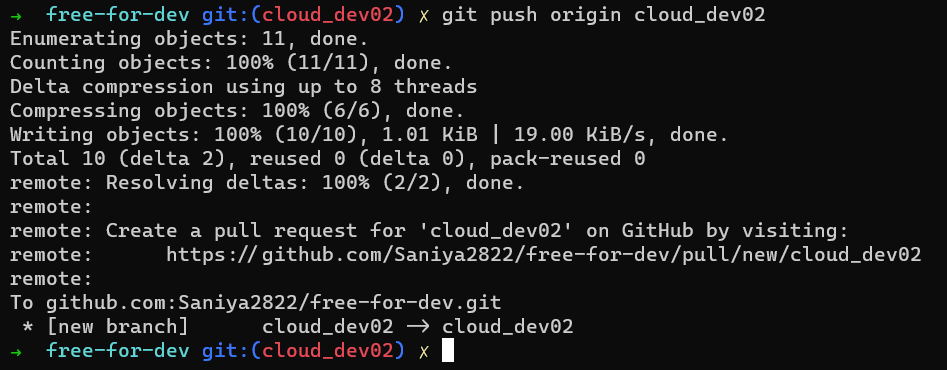






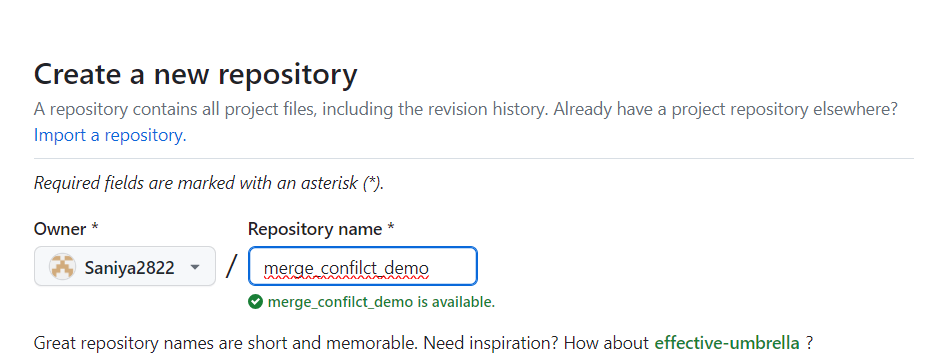


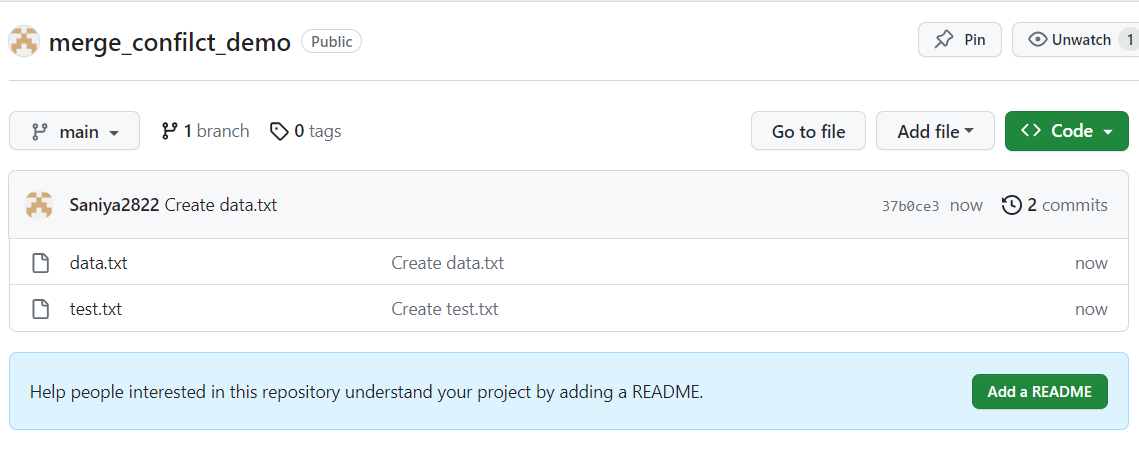


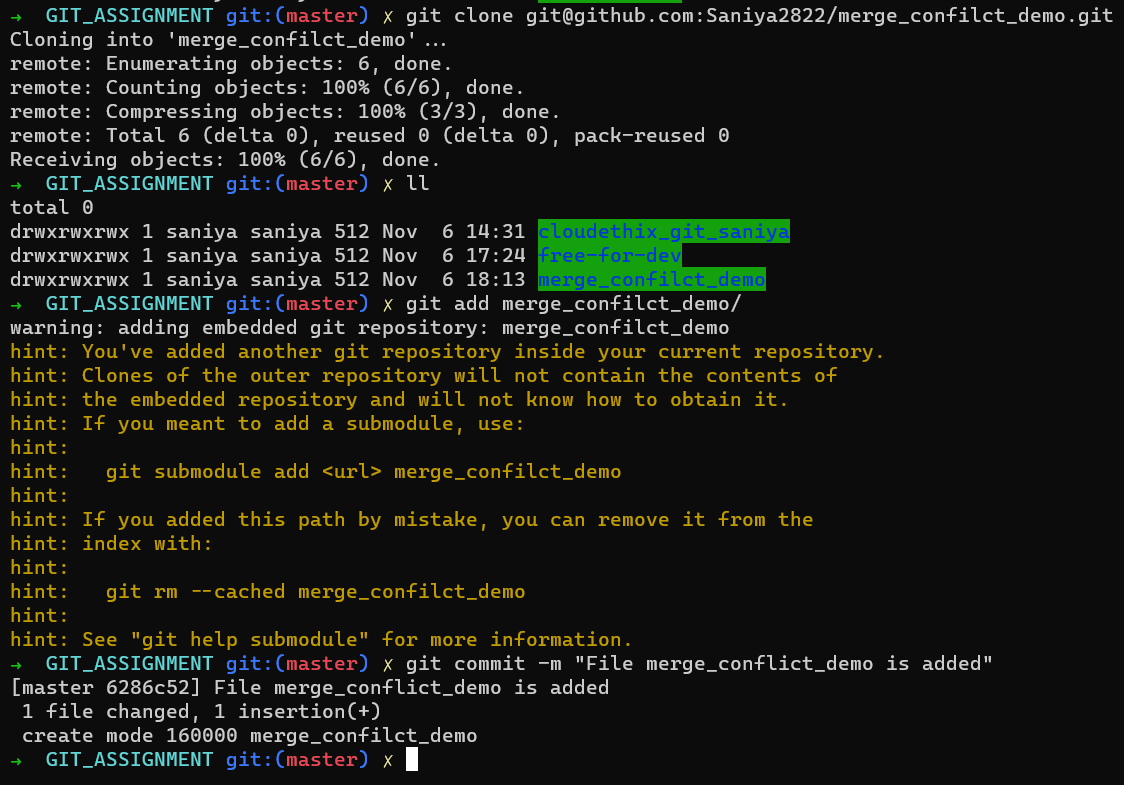


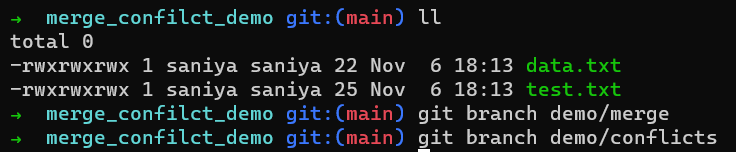
**4. Create a remote repository merge\_confilct\_demo. Add some files in the remote master branch. Clone the repository locally. Create 2 branches locally named demo/merge and demo/conflicts. Add a merge.txt file in both branches with some data like "Hello CloudEthiX…." And "Fello CloudEthiX…." respectively and commit. Then merge demo/conflicts branch to demo/merge branch and solve the merge conflicts.**

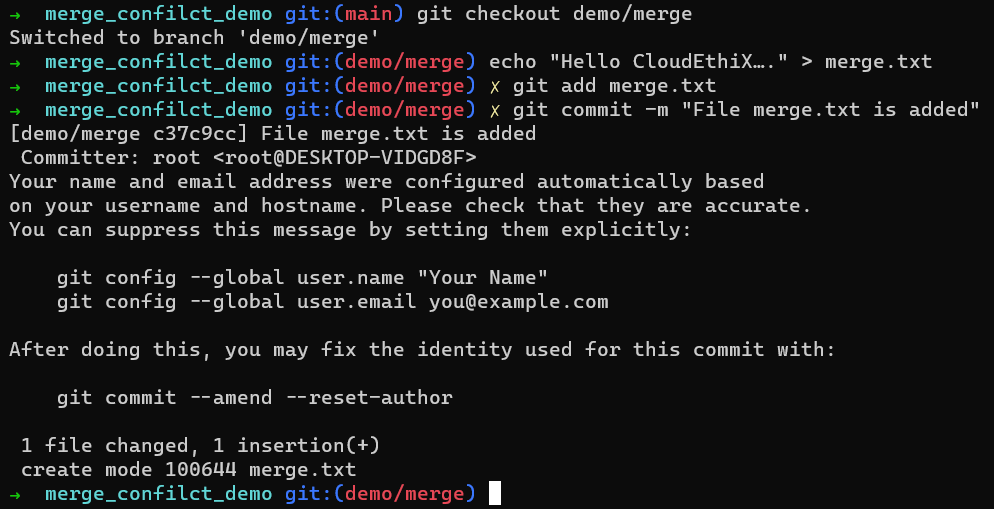
**SOLUTION:-**

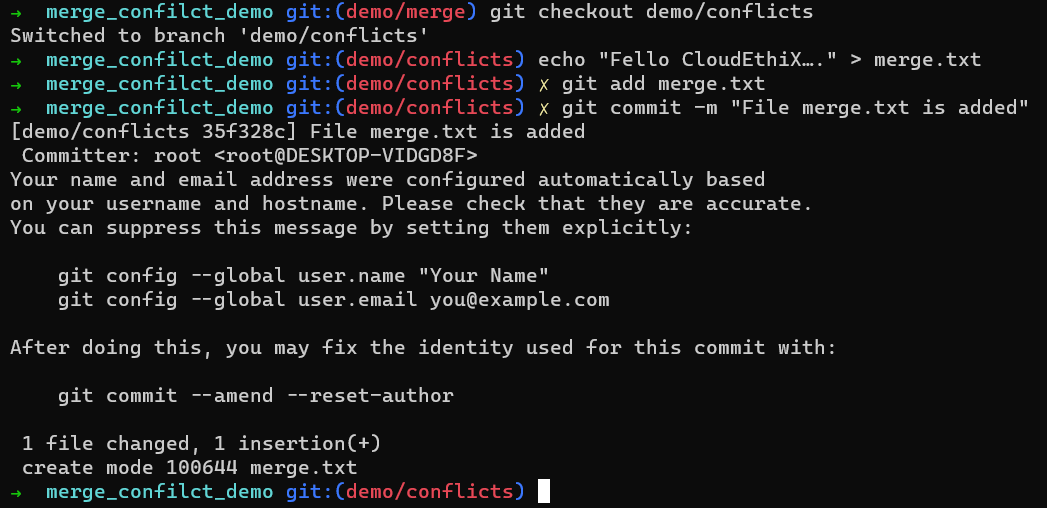


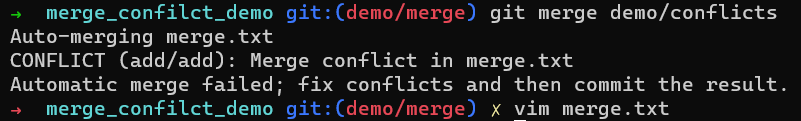


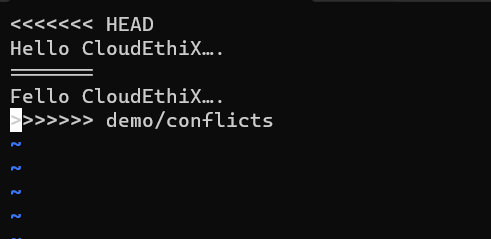




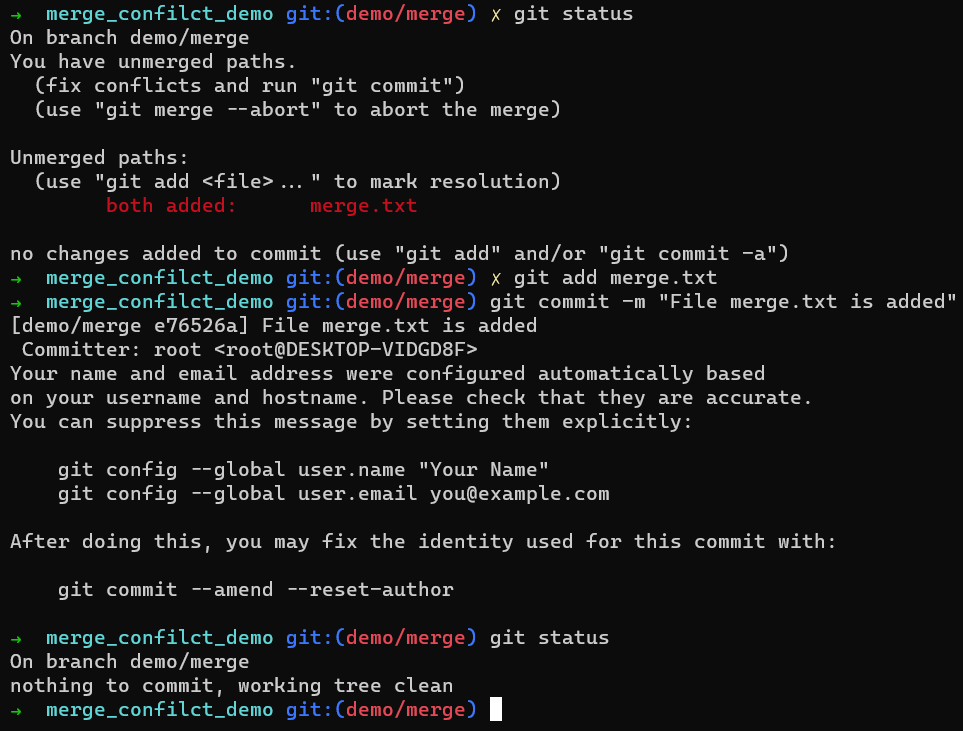






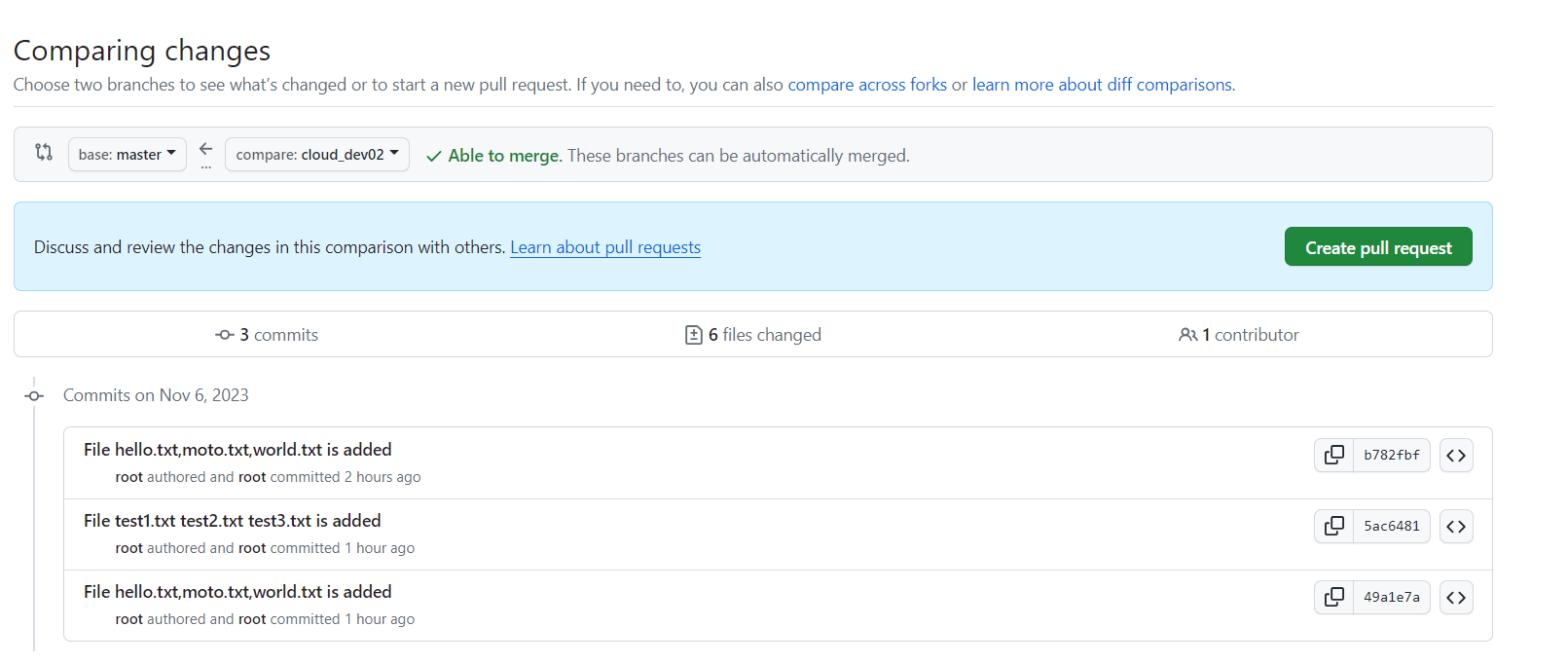


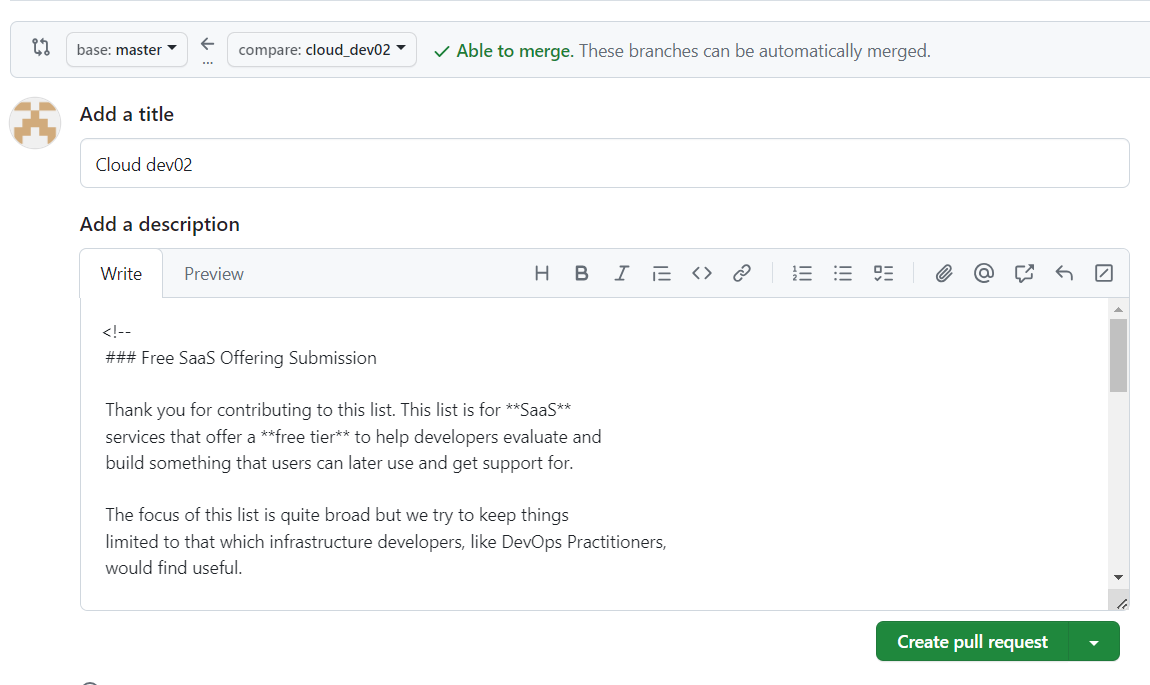


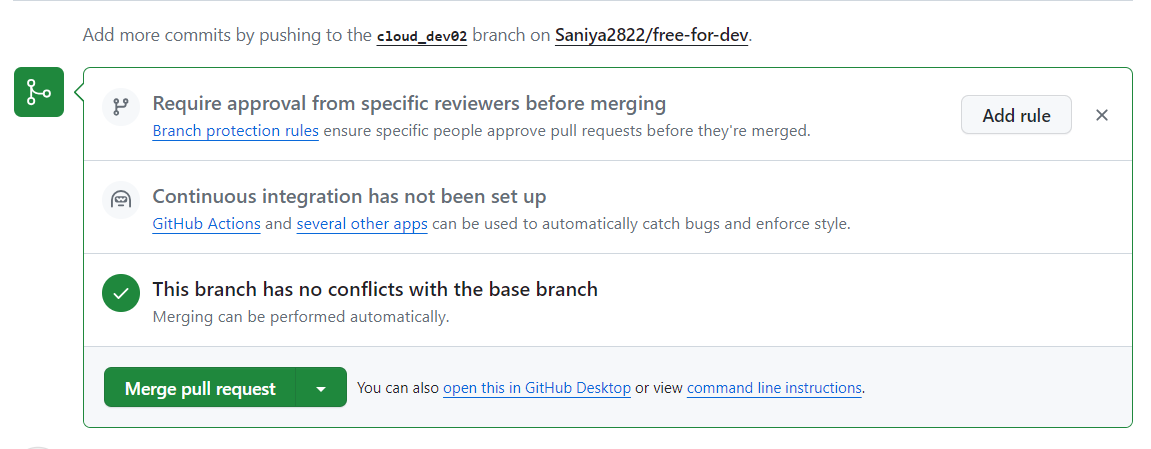


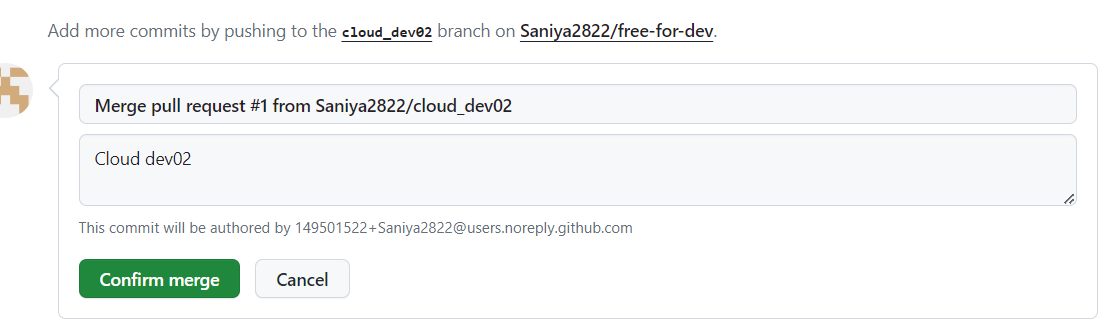
**5. Create PR to merge the cloud\_dev02 branch to Forked repository. Approve the PR and merge cloud\_dev02 branch to master branch remotely.**

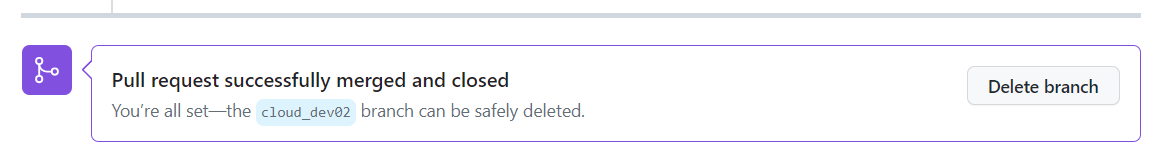
**SOLUTION:-**





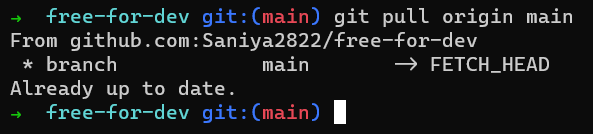


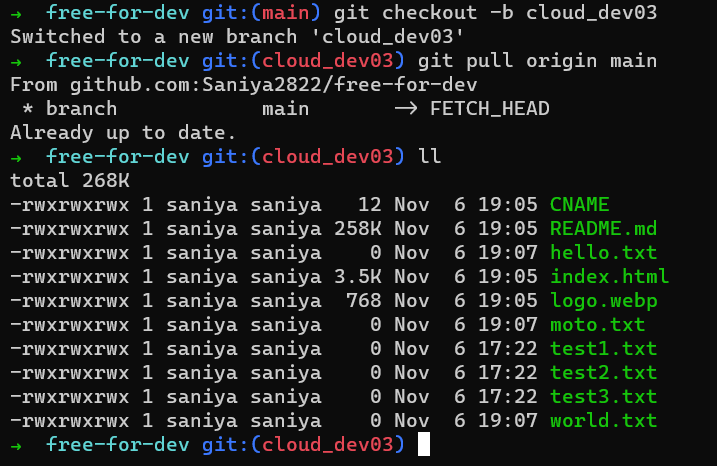




1. **Fetch latest changes from master branch of remote forked repository to local master branch. Then merge forked remote master branch with local master branch. Check If all the latest files are there. Then checkout to local cloud\_dev03 branch locally. Then Pull latest changes from the remote master branch.**

**SOLUTION:-**

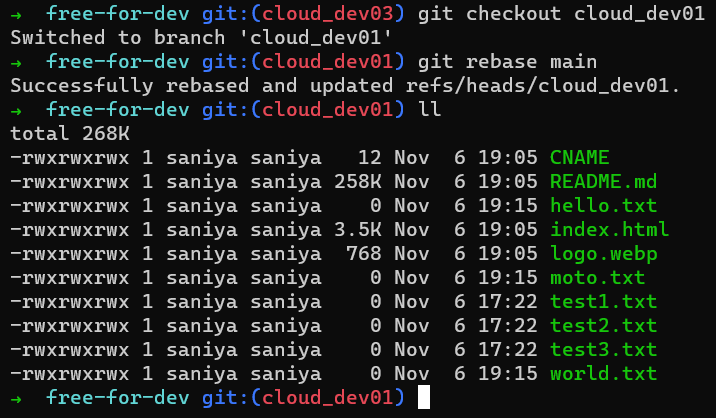




**7. Checkout to the cloud\_dev01 branch locally and rebase the remote master**

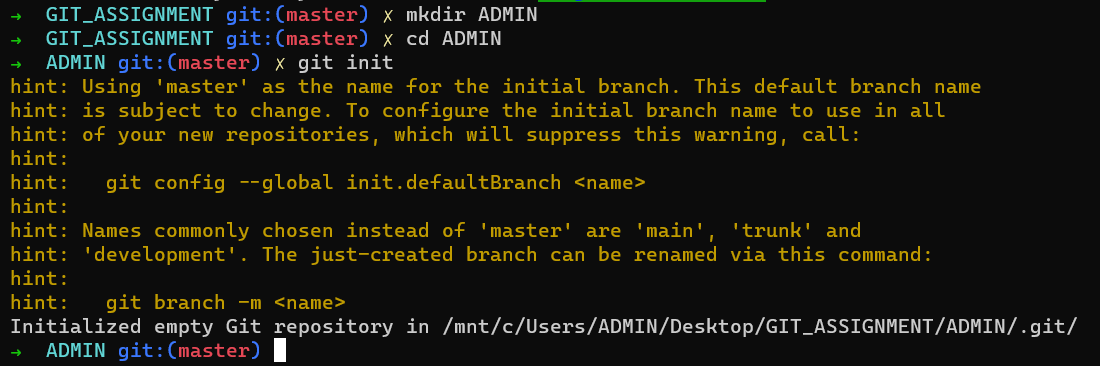
**branch of the forked repository.**

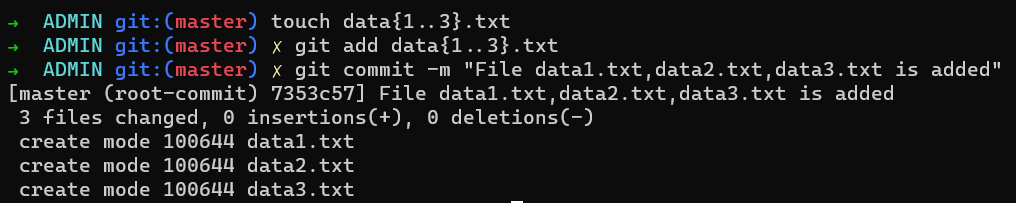
**SOLUTION:-**

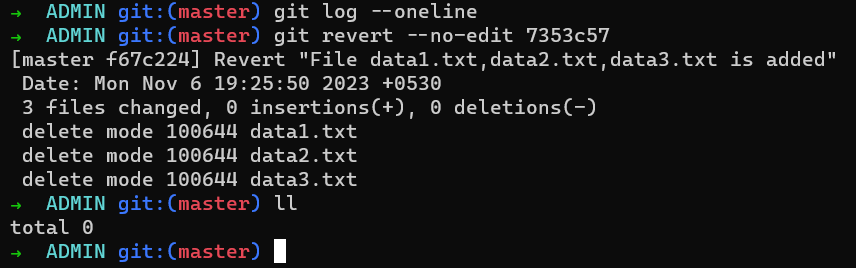


**8. Create one repository locally. Commit any 3 files to the local repository. And the revert back the commits.**

**SOLUTION:-**





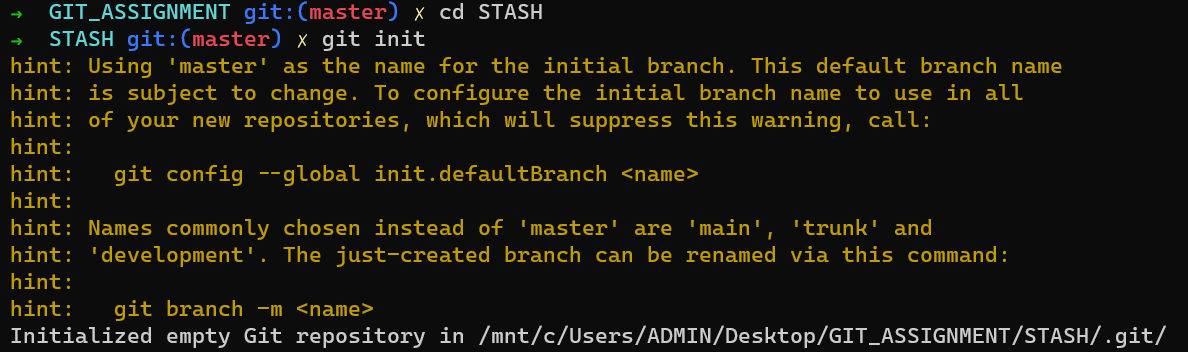


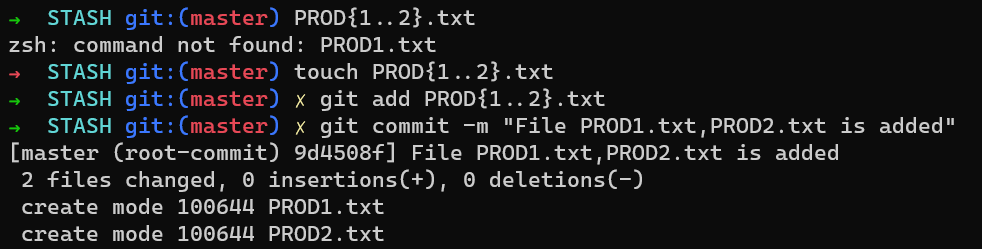
**9. Create one local repository. commit some files to the local master branch.**

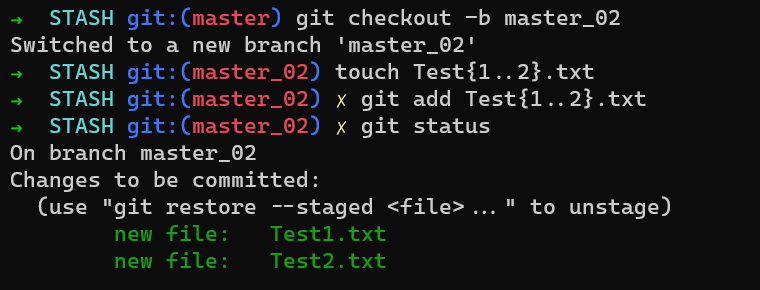
**Checkout to master\_02 branch. Create 2 more files. Add those to the staging**

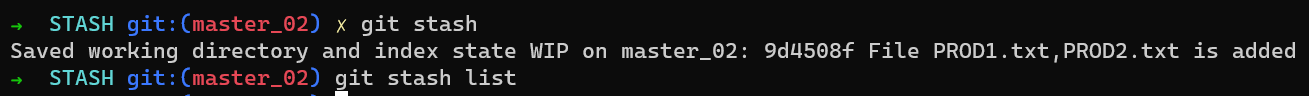
**area. Create stash area and those files. Then list and delete the stash.**

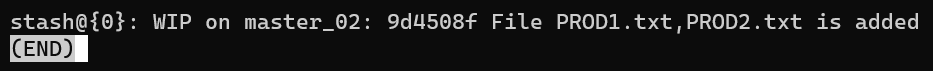
**SOLUTION:-**













**10.Create a local repository, initialise it and create 3 branches: develop, hotfix and release. Checkout to hotfix branch and commit cloudethix.txt and once**

**committed amend the commit message.**

**SOLUTION:-**

