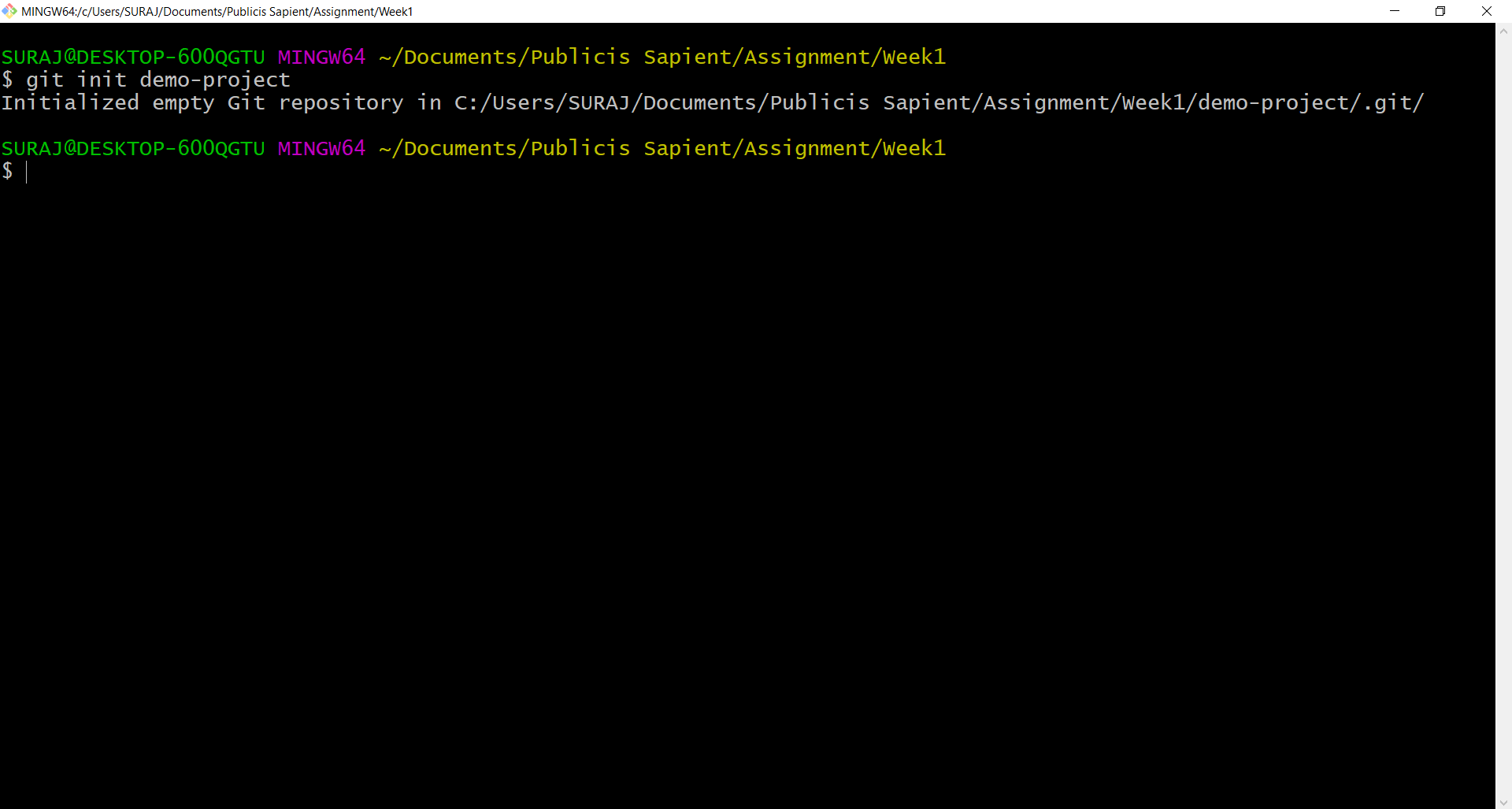
**WEEK 1 assignment**

**Suraj Kumar(**[**surajkum1198@gmail.com**](mailto:surajkum1198@gmail.com)**)**

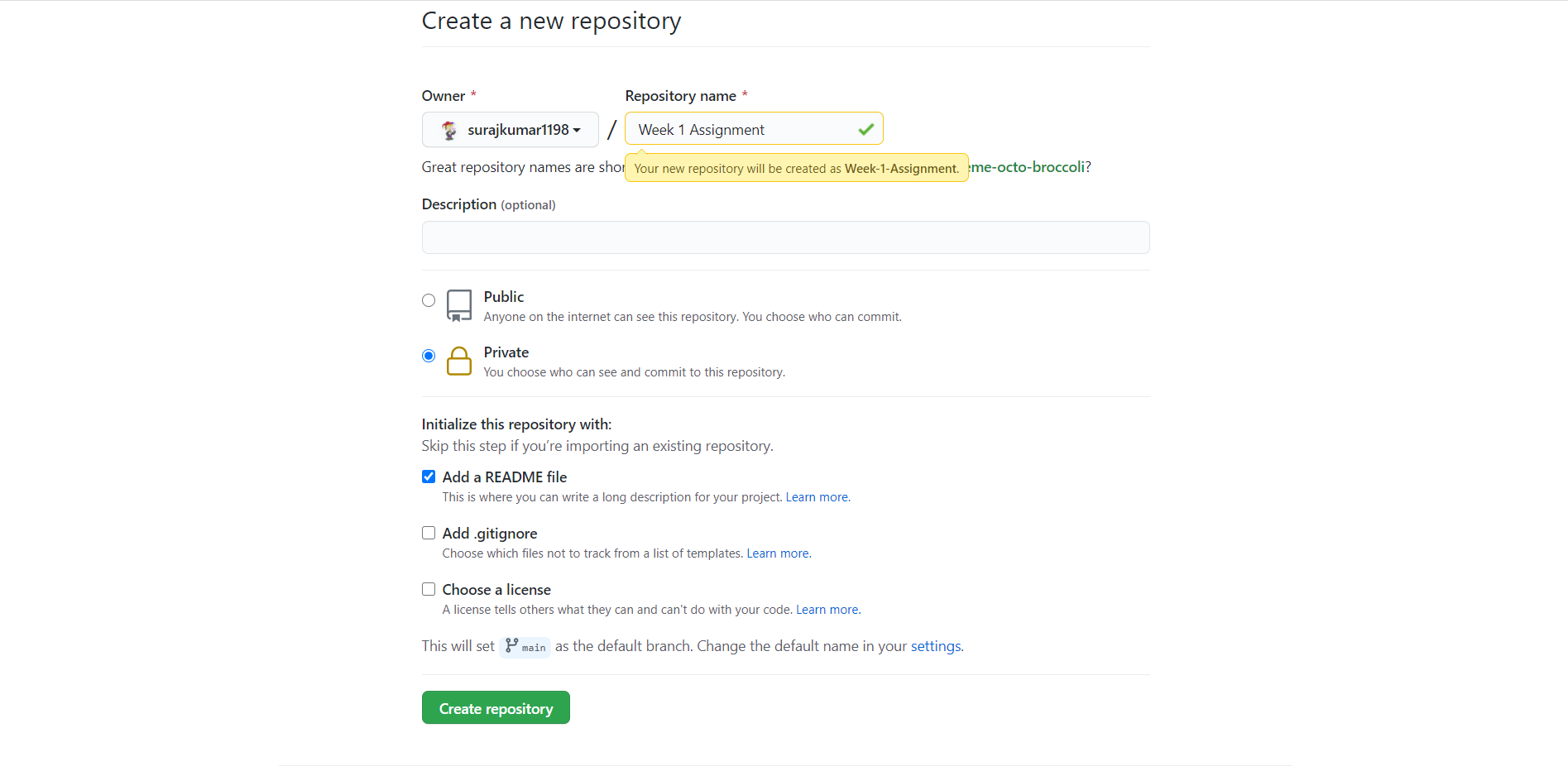
**NIT Patna**

**Create local Repository**

**git init folder\_Name**

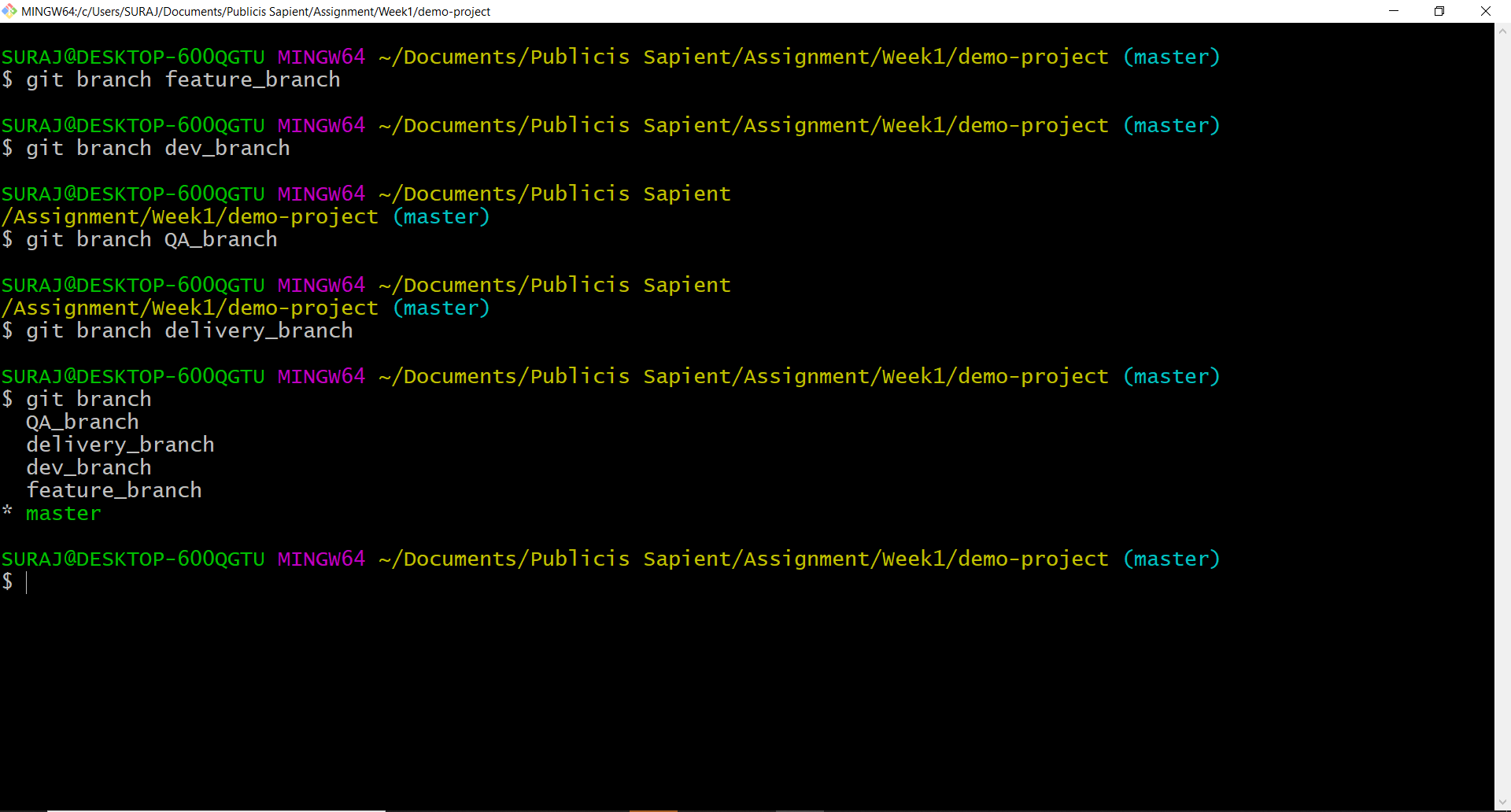
****

**Create Remote Repository**

****

**Create Local Branches**

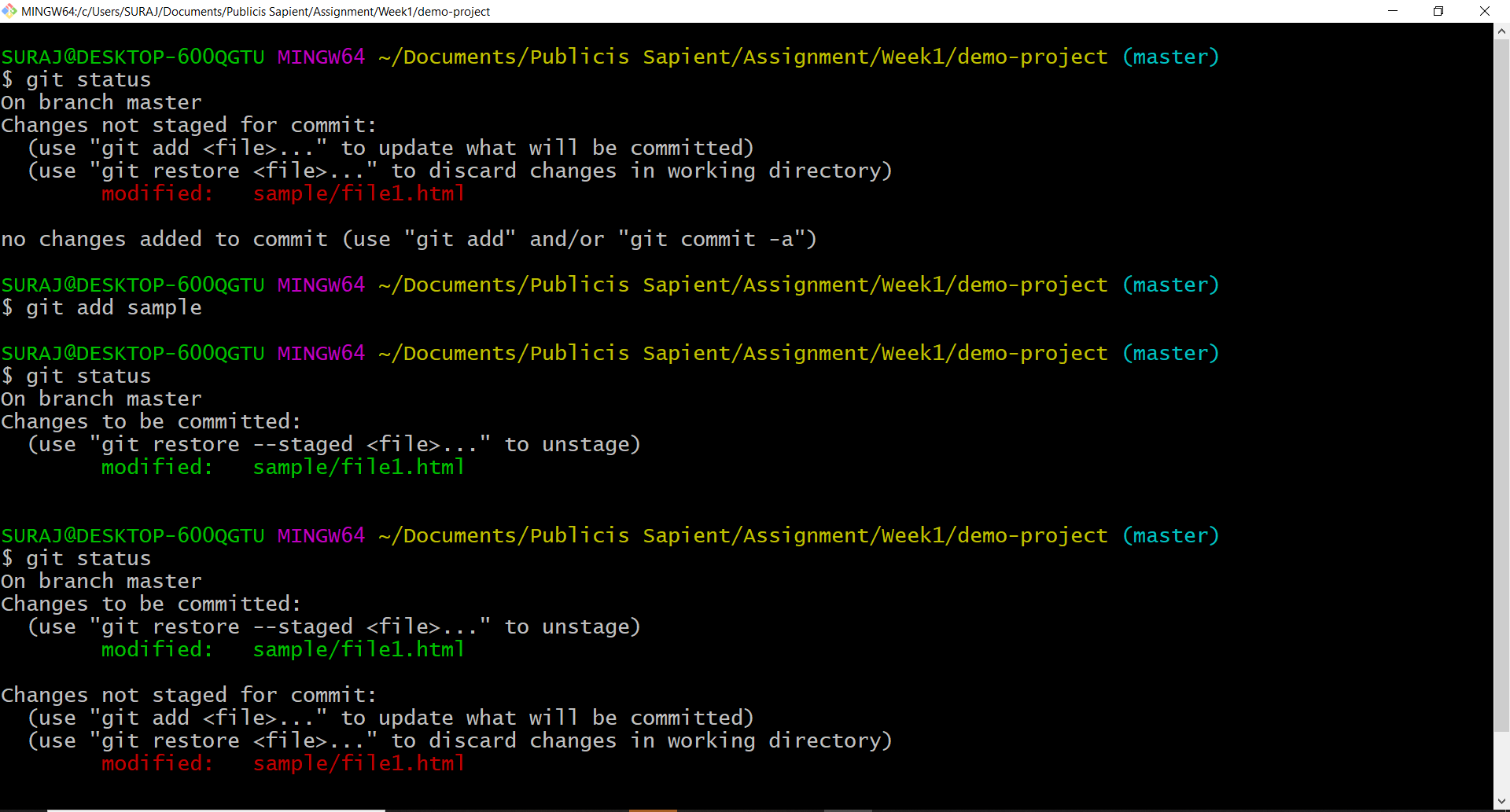
git branch branch\_name

****

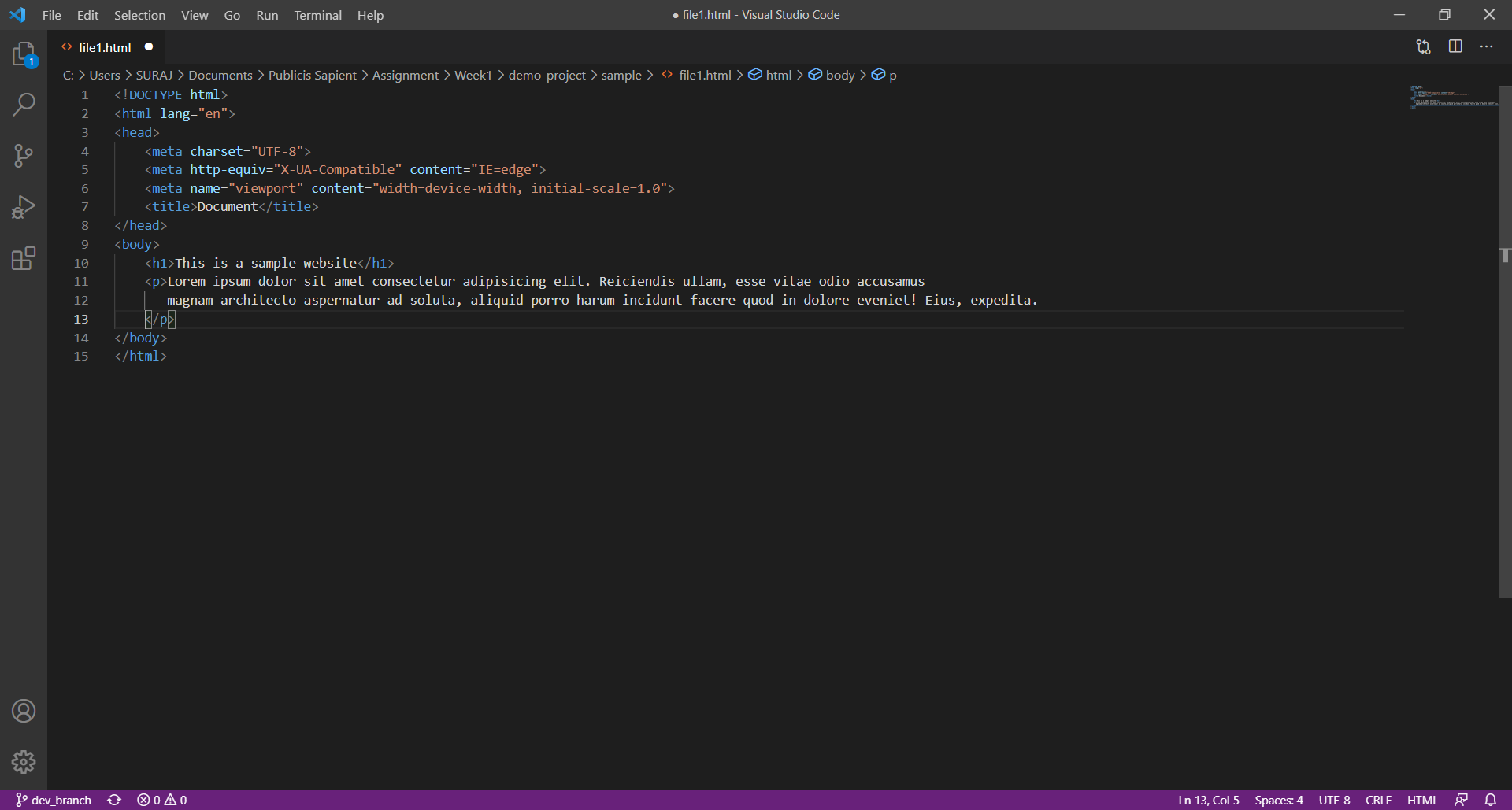
**Add files and folders to staging area**

**git status**

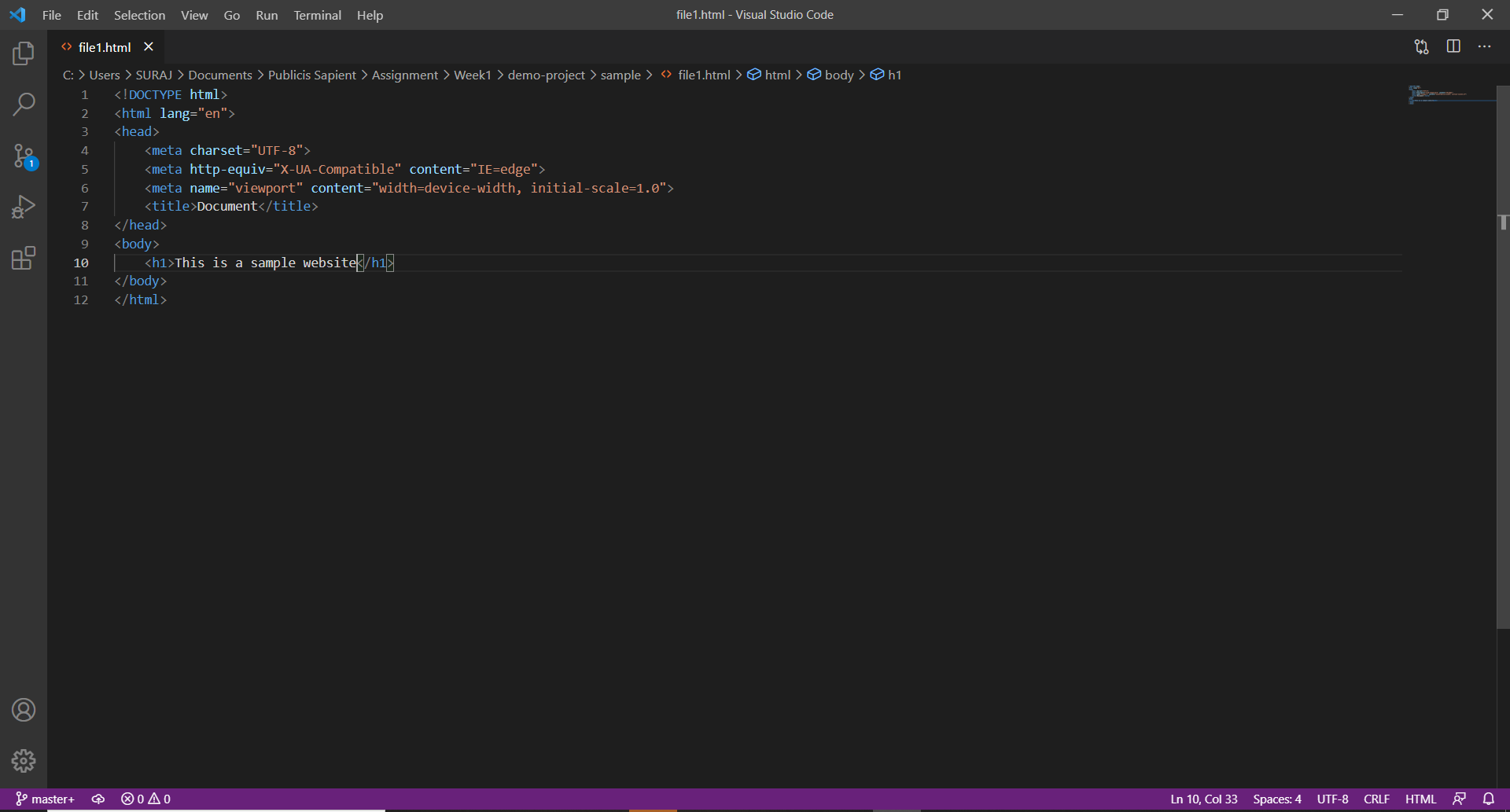
**git add .**

****

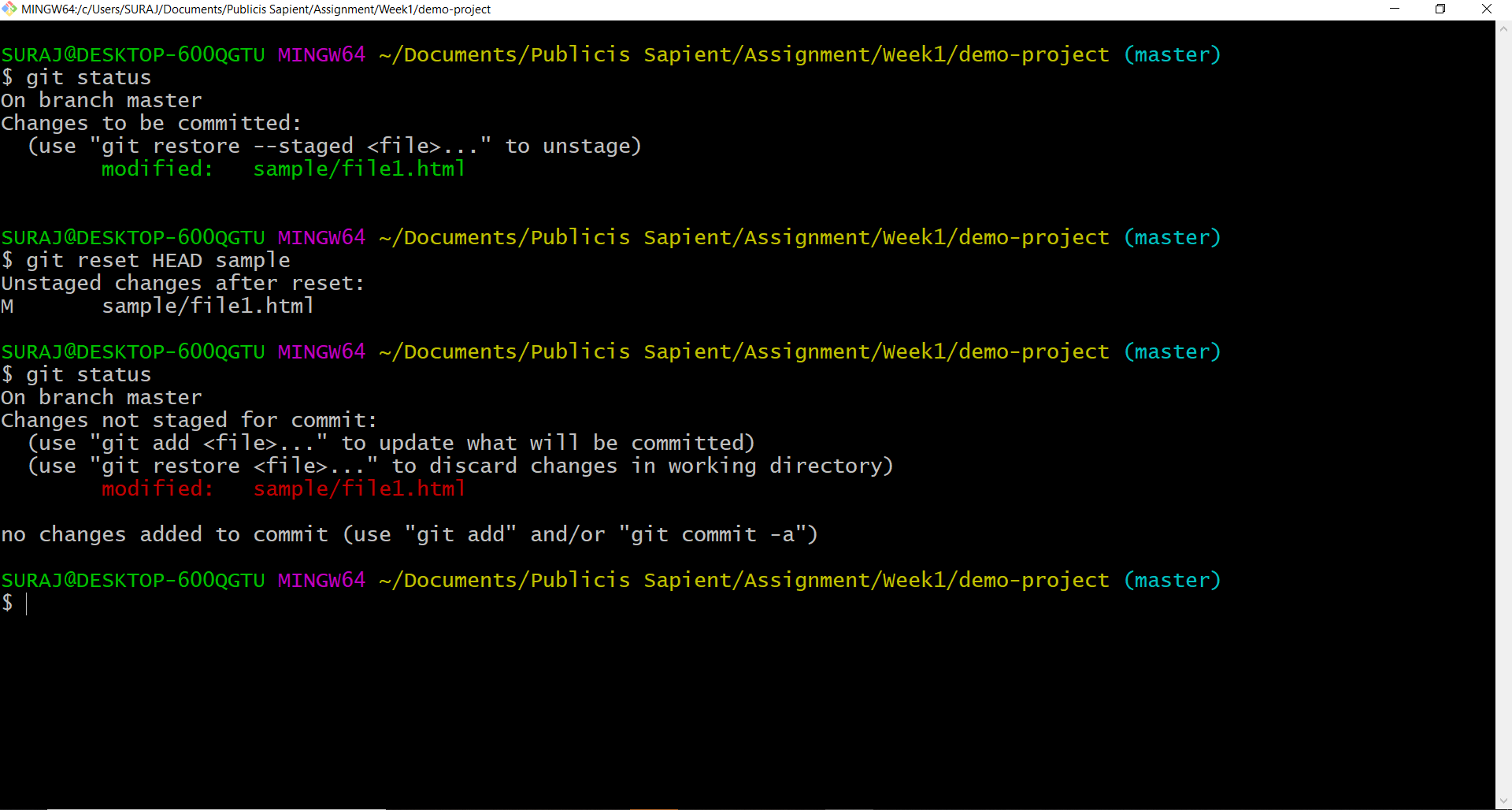
**Make changes to existing files**

**Initial file **

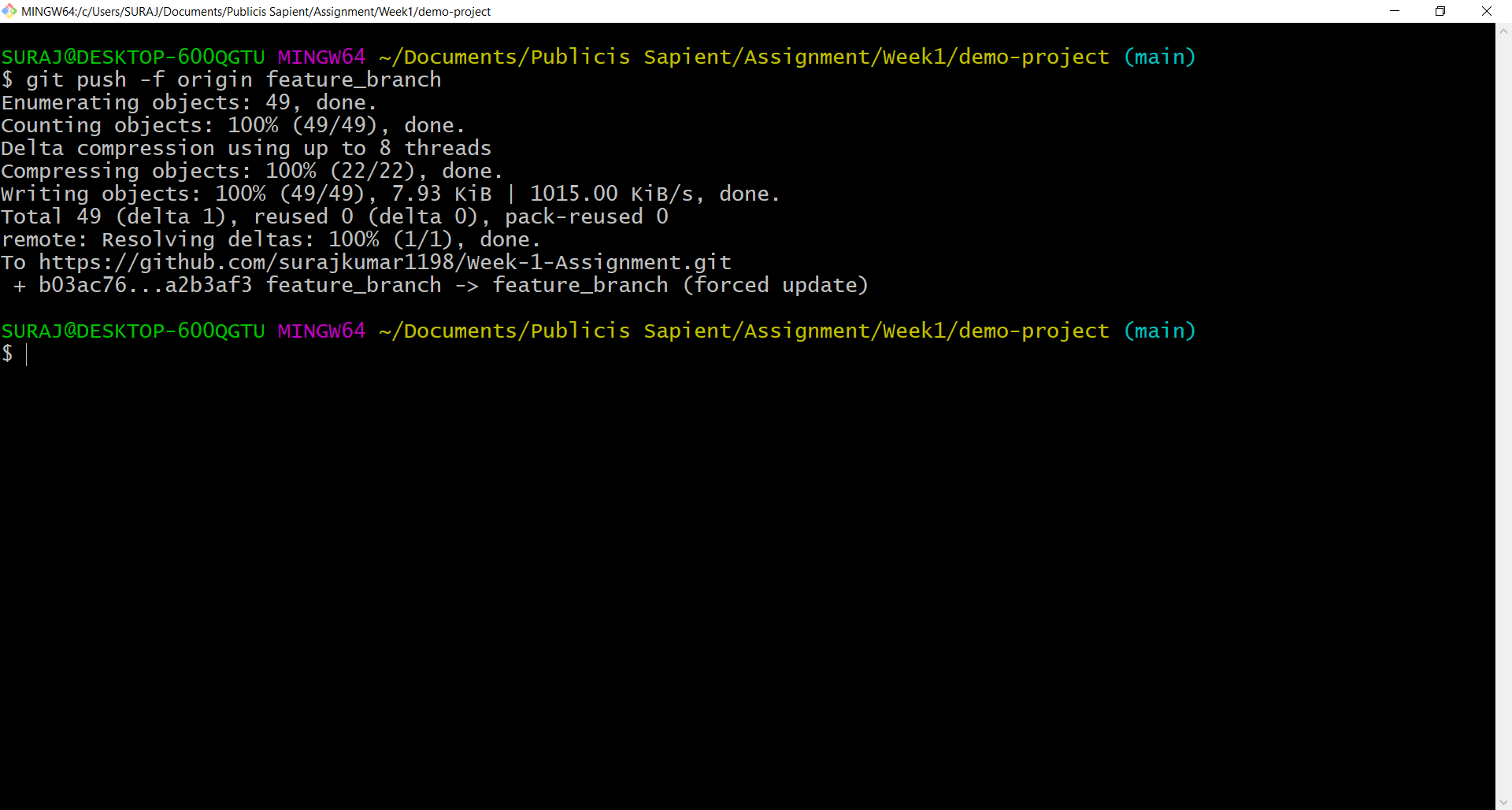
**File after making changes**

****

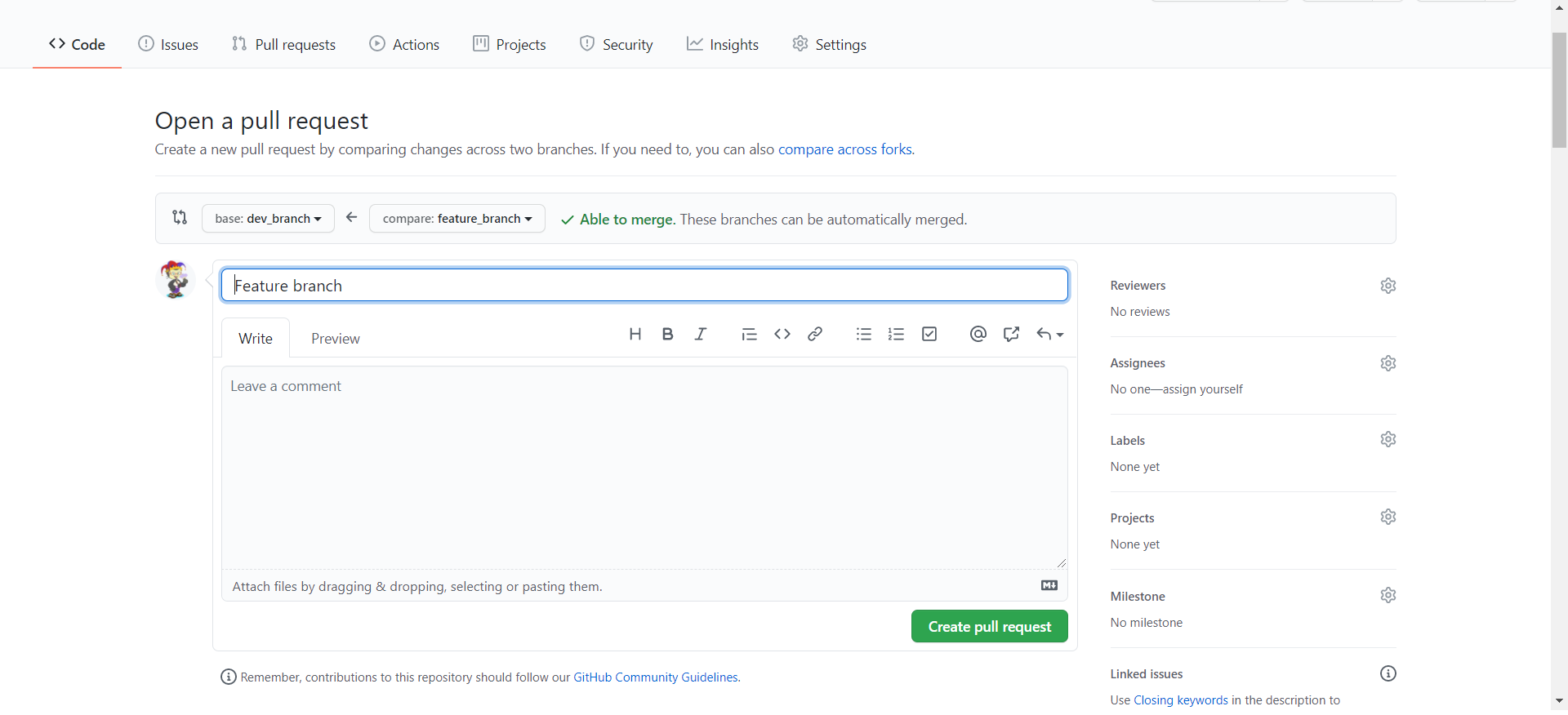
**Remove files and folders from staging area**

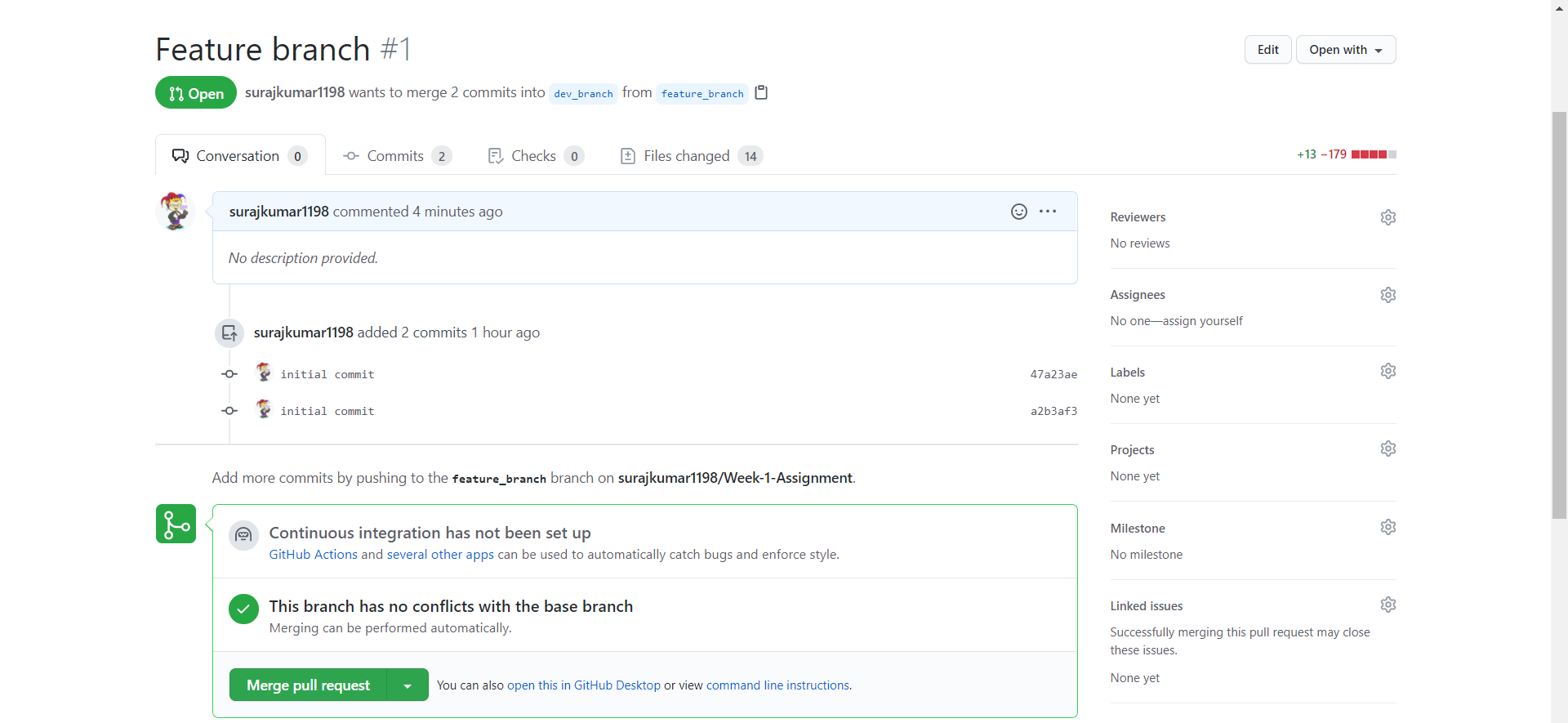
****

**Checkin push files to feature branch**

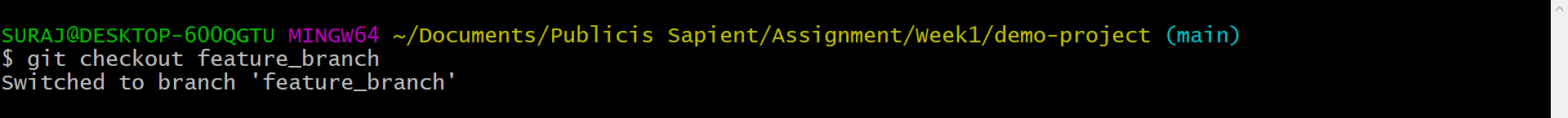
****

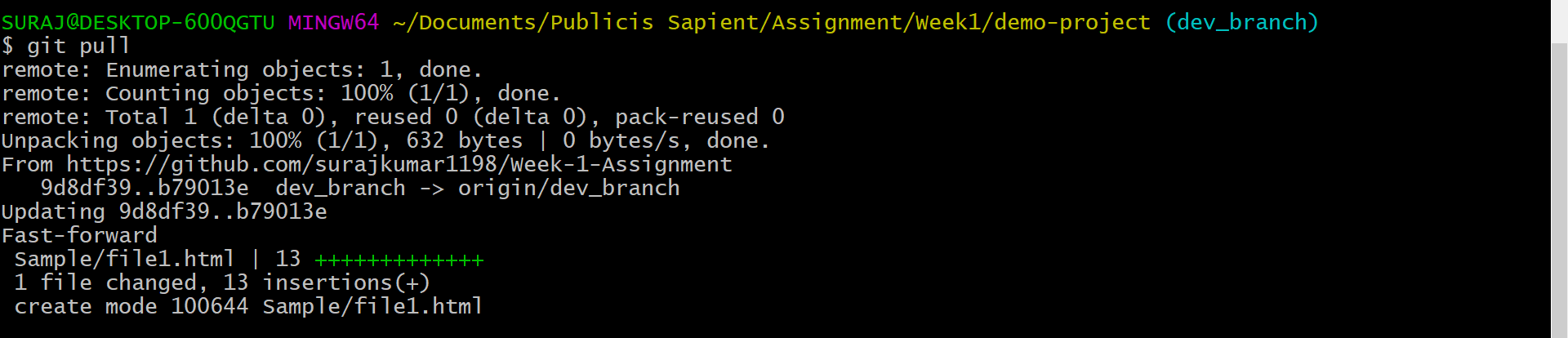
**Promote code from feature branch to dev branch via pull request**

****

****

**Checkout latest code from remote branch to local branch**

****

****

**Explore the difference between checkout vs  pull**

git pull contacts the remote repository identified by origin and looks for updates. It

fetches any updates and then merges the changes into the target branch. It does

not create a new branch.

git checkout -b <branch> origin/<branch> creates a new branch based on

origin/<branch>, and does not contact the remote repository. It looks at

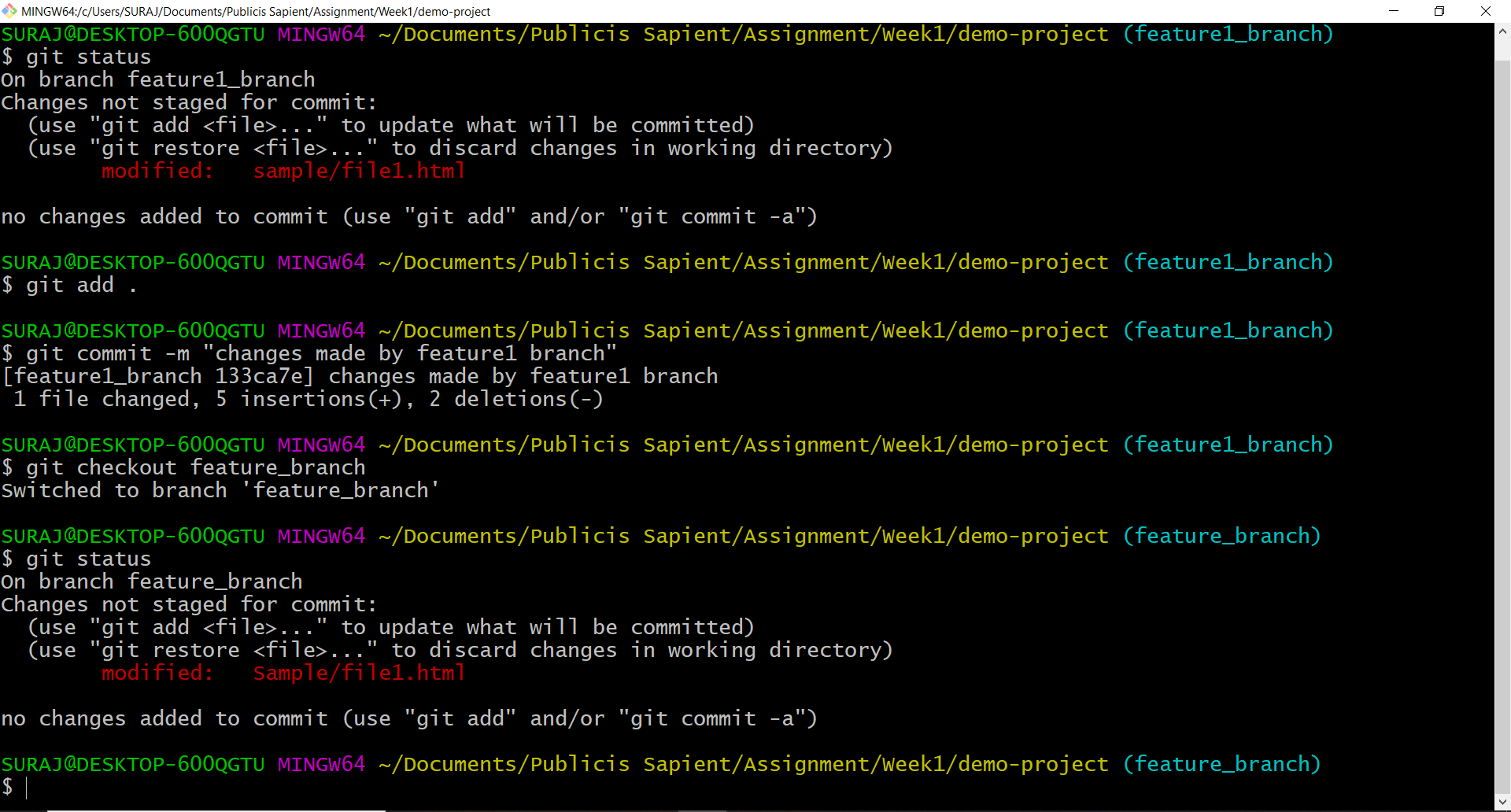
origin/<branch> as it currently exists in your local repository.

The two commands perform very different actions; spending some quality time

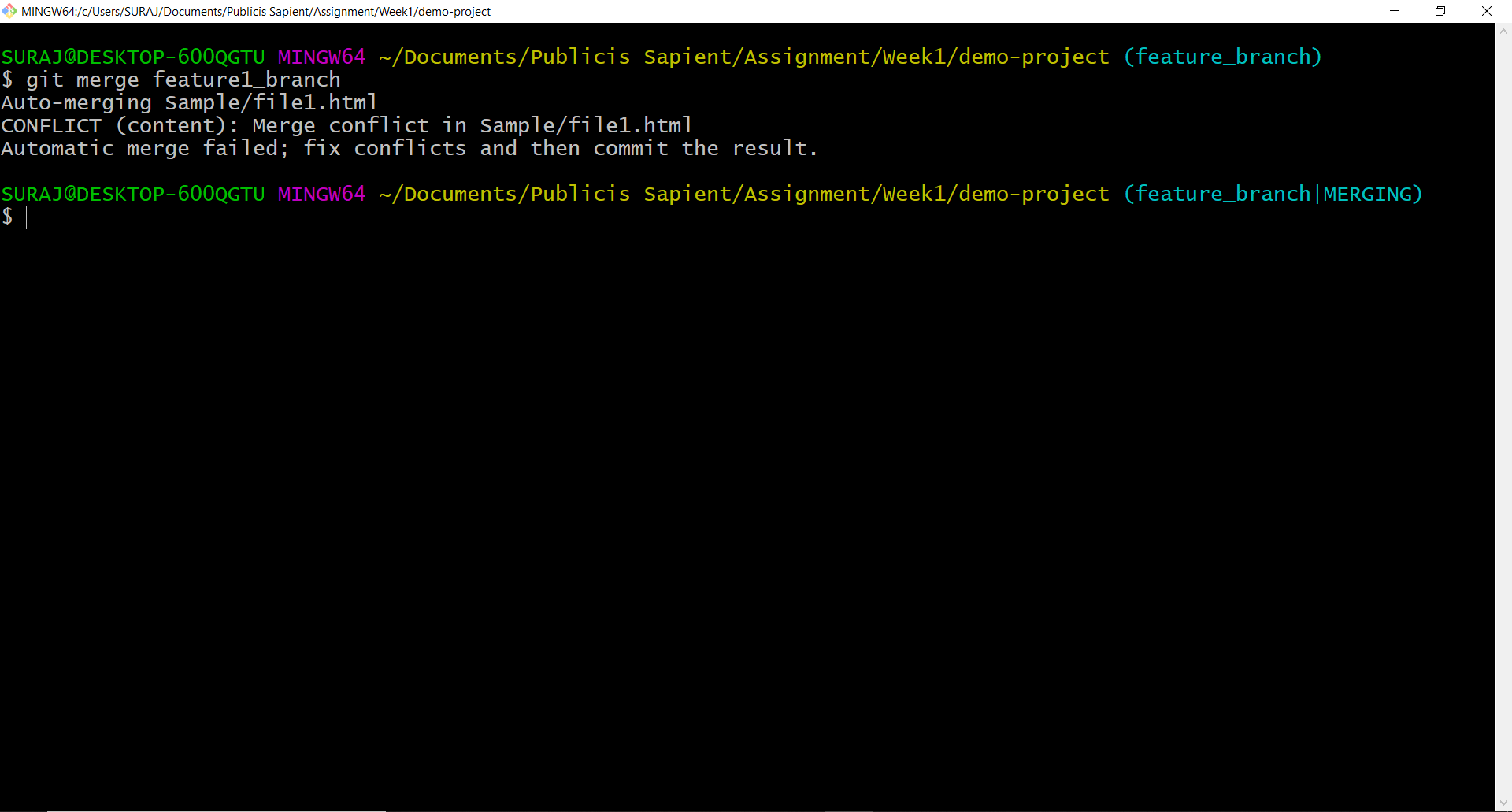
with the git-pull and git-checkout man pages might help clarify things.

**Handle Merge conflicts**

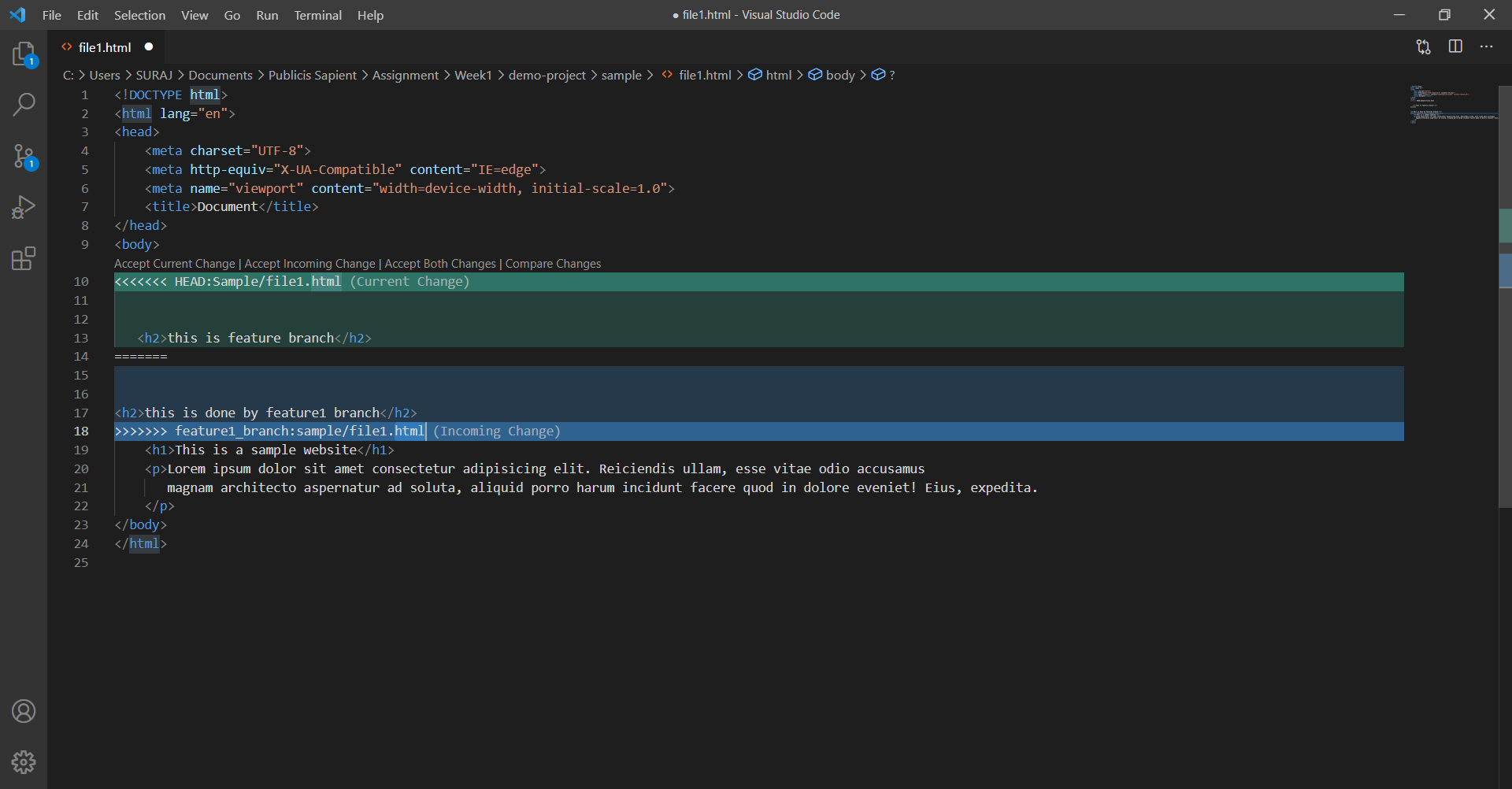
**Created a new feature branch named feature1\_branch edited the same file**



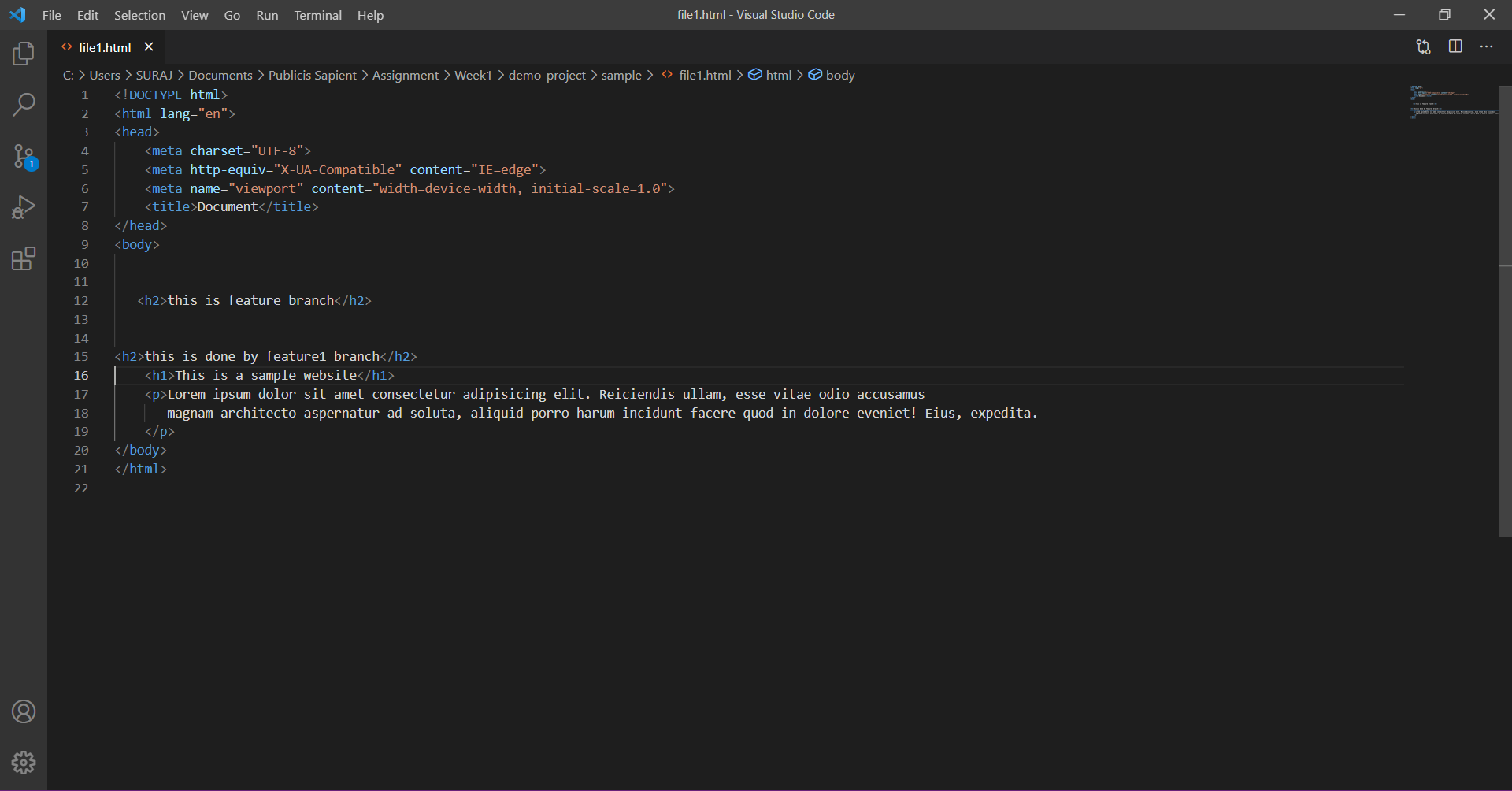
git merge

****

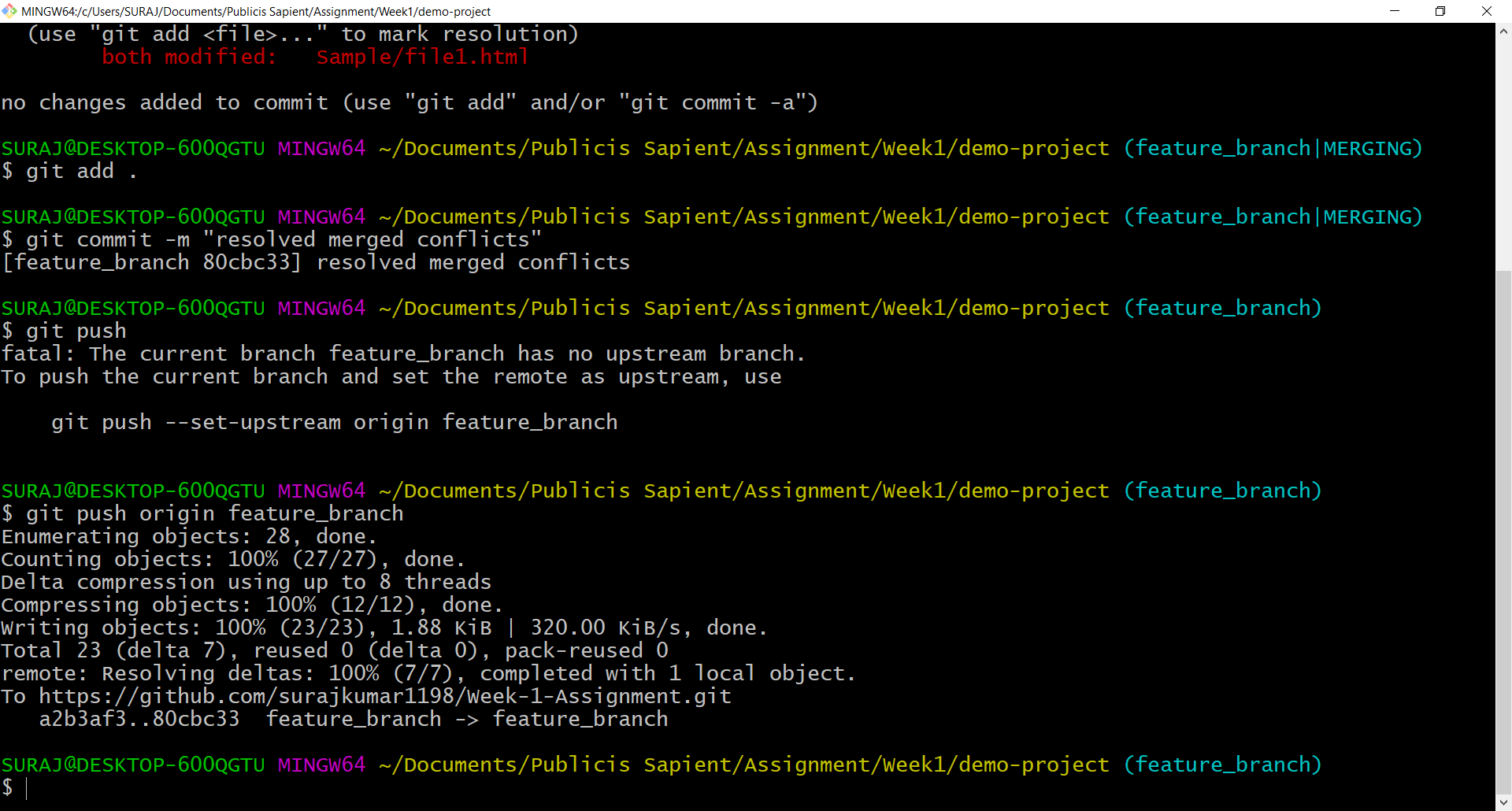
Merge Conflict



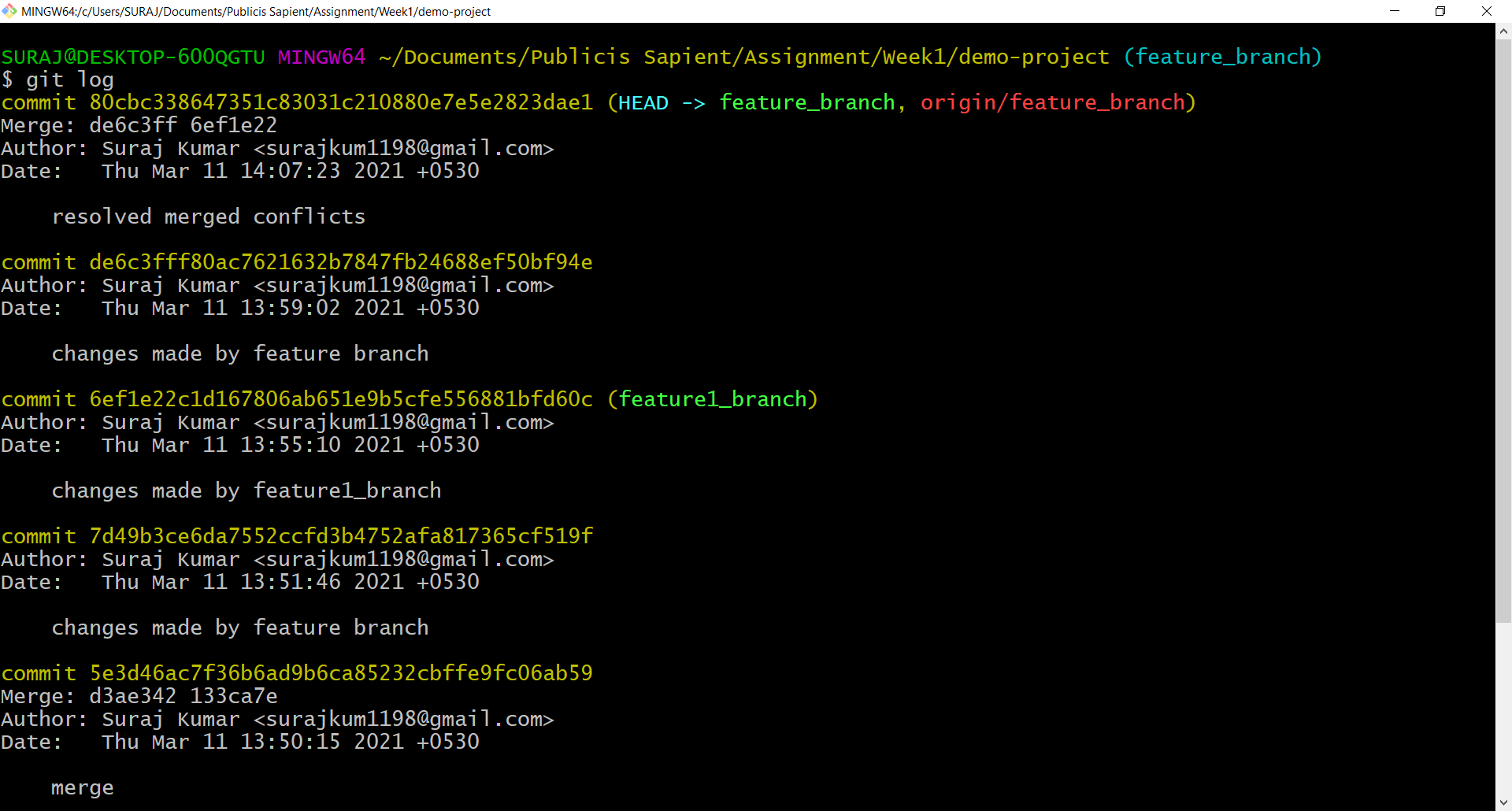
Resolved Merge conflict



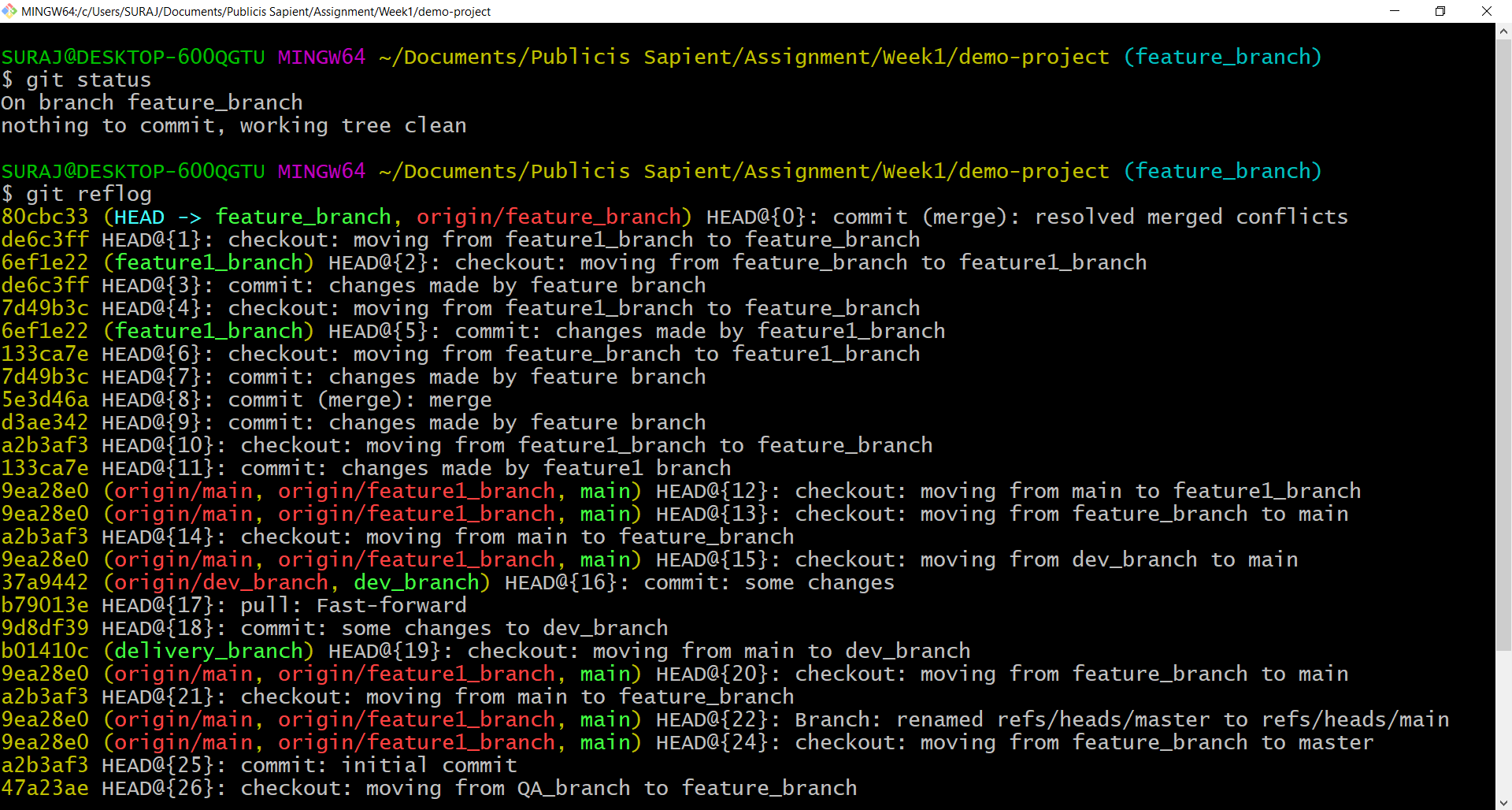
Pushed merged to remote



**git log**

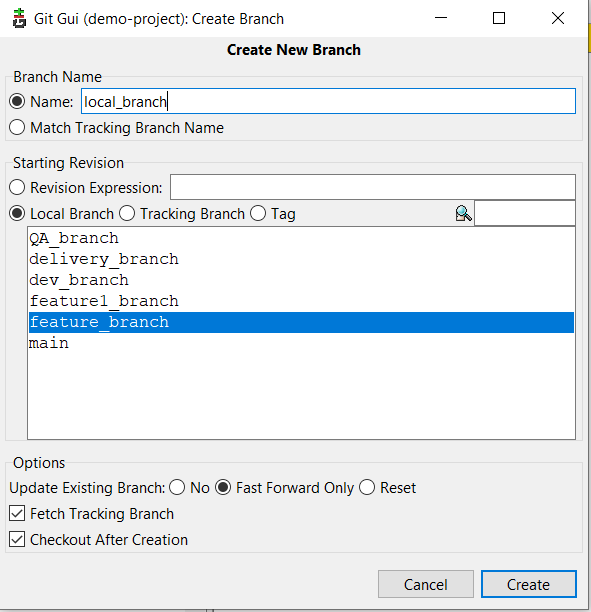
****

**Git status and git reflog**

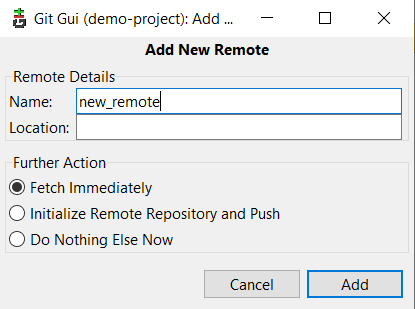
****

**GUI Client**

gui local branch



gui remote branch

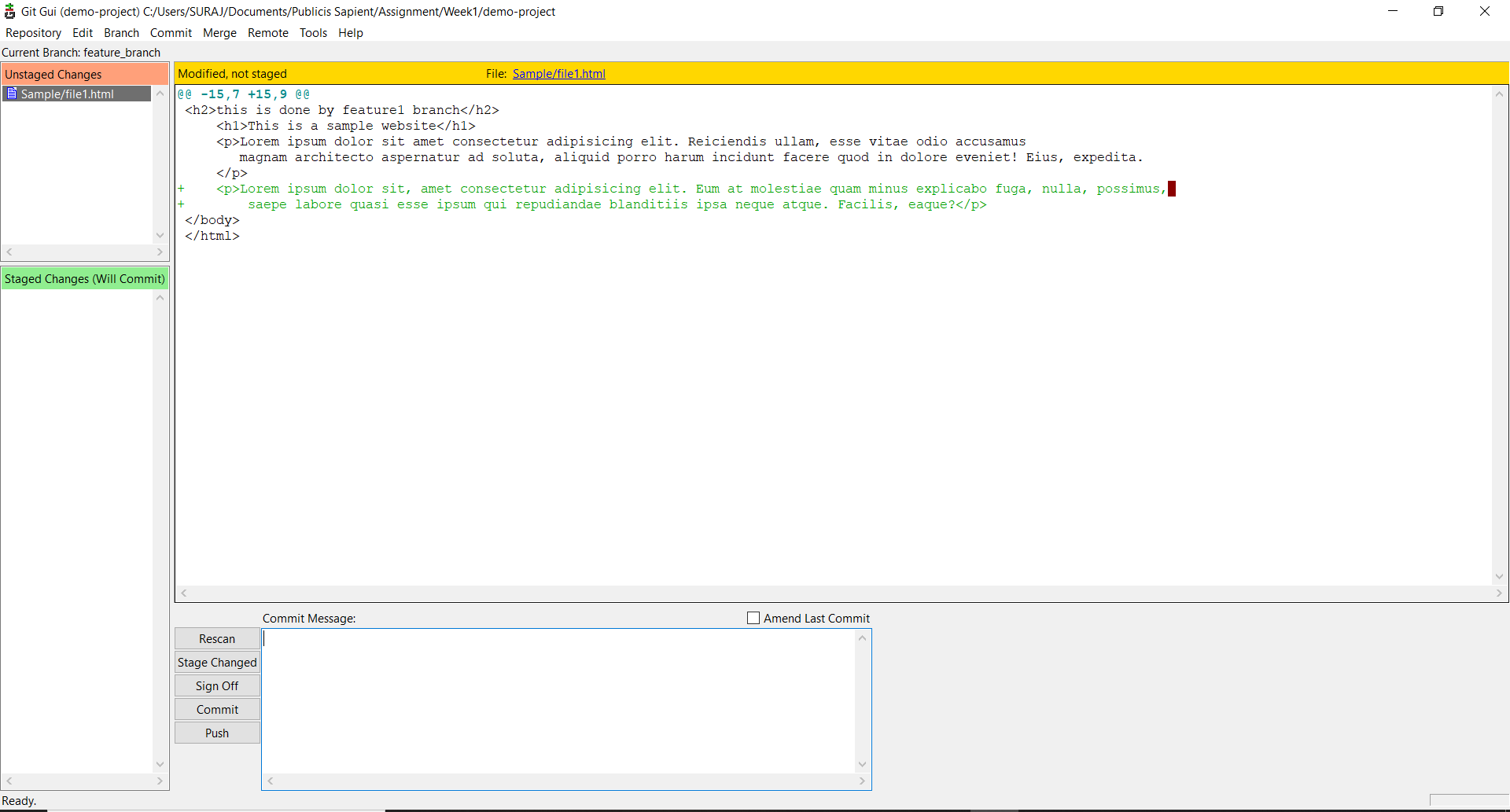


Staging

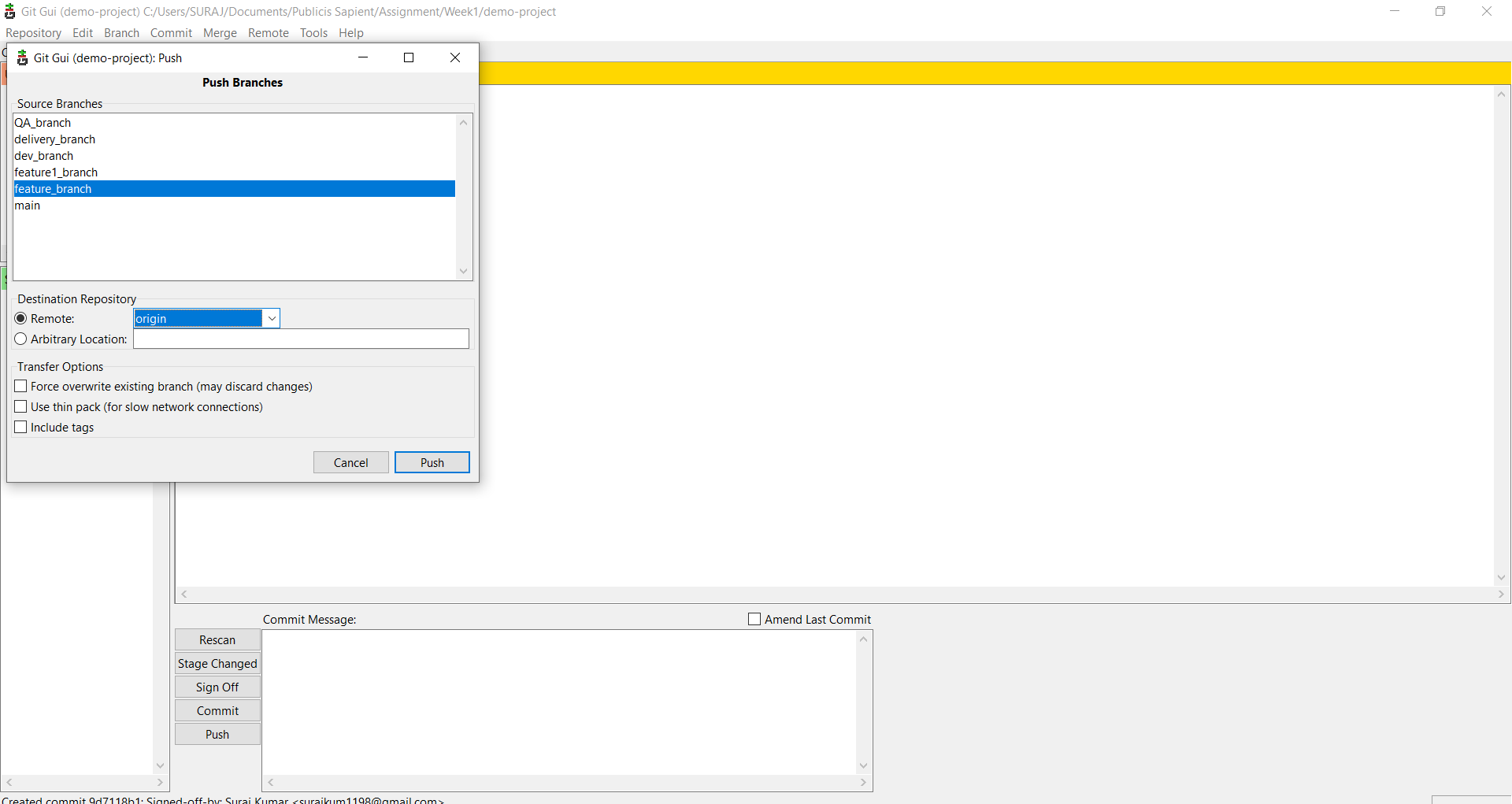
Commit

Push

Unstaged changes



Push changes



changes 