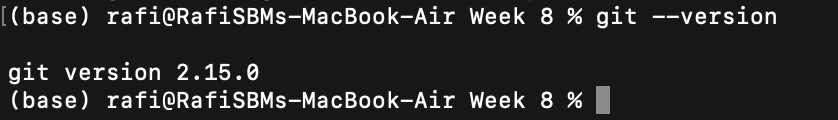
**HANDSON EXERCISES - WEEK 8**

**Skill : GIT**

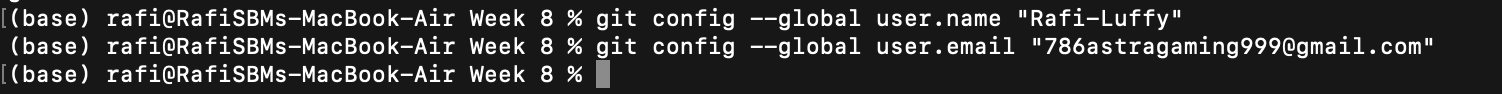
**File : 1. Git-HOL.docx**

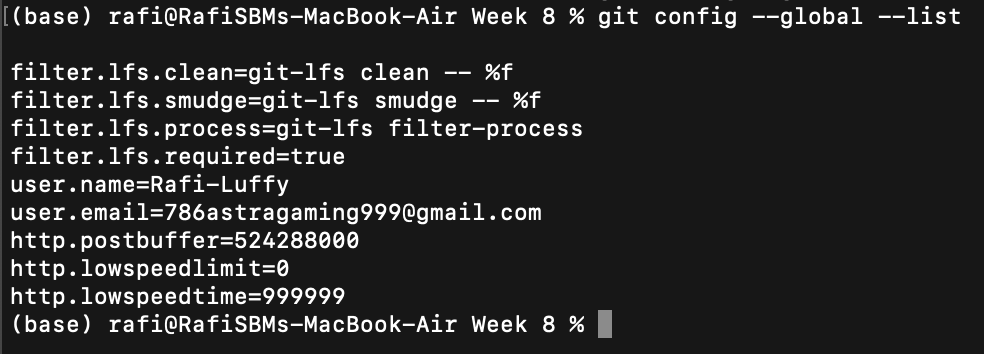
**Exercise :** Git Setup and Repository Push to GitLab

**Git Installation Check**

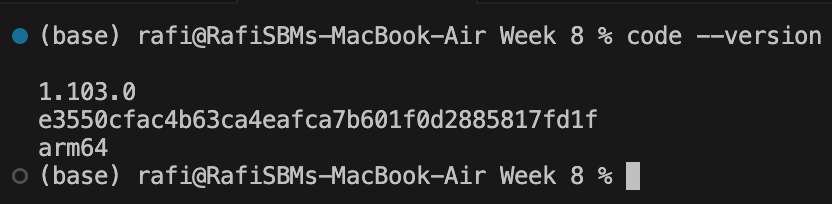


**Git Global Configuration**

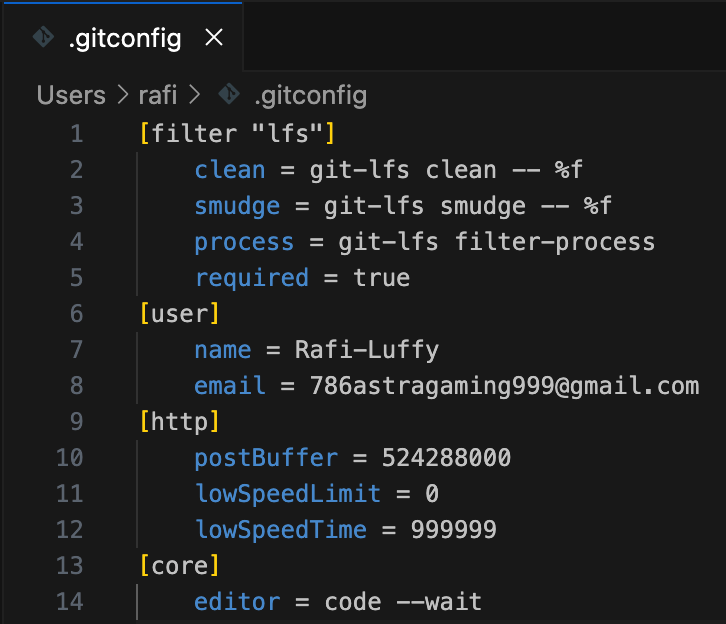


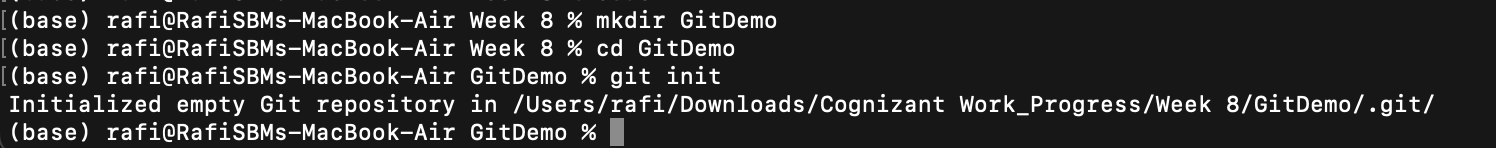


**Setting VS Code as Default Git Editor**  

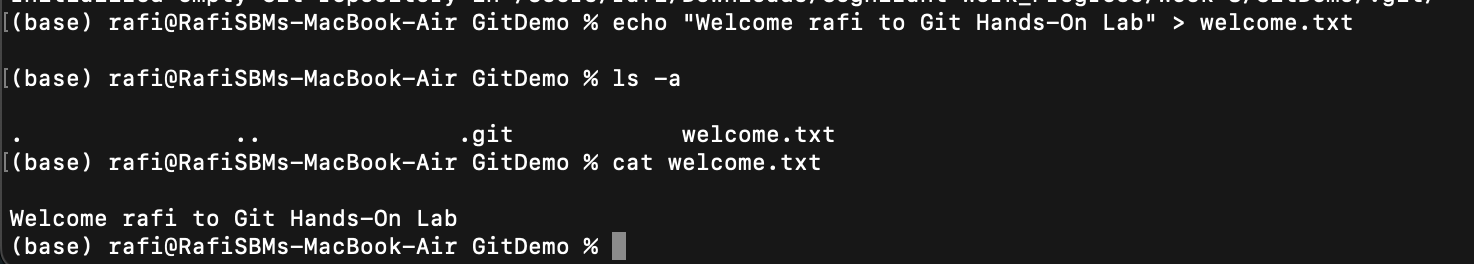



**Opening** .gitconfig **in VS Code**

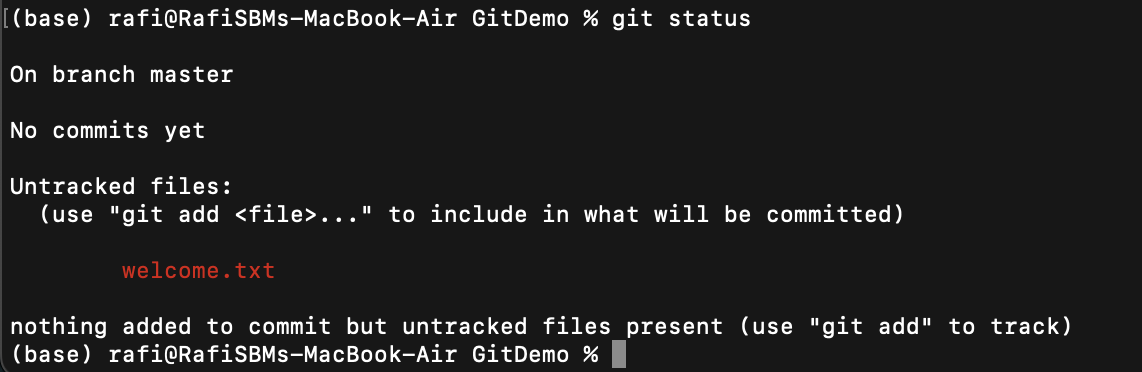


**Initializing Git Repository**  


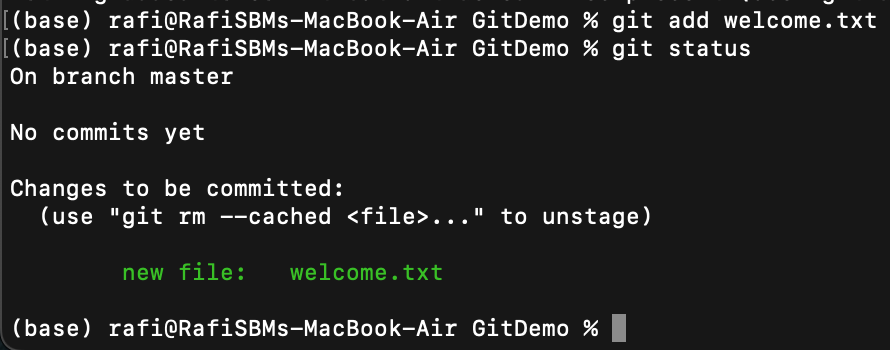
**Creating the File & viewing its contents**



**Checking Git Status (Untracked)**

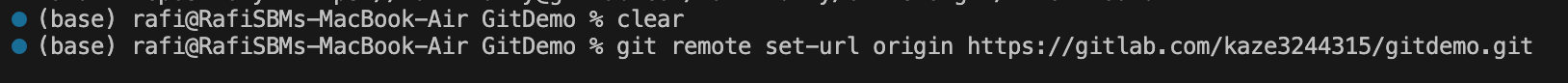


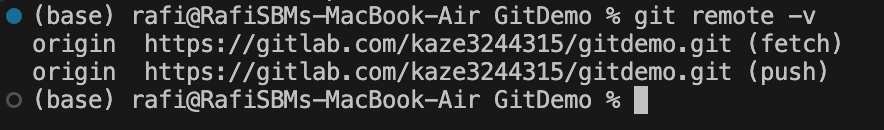
**Adding File to Staging**

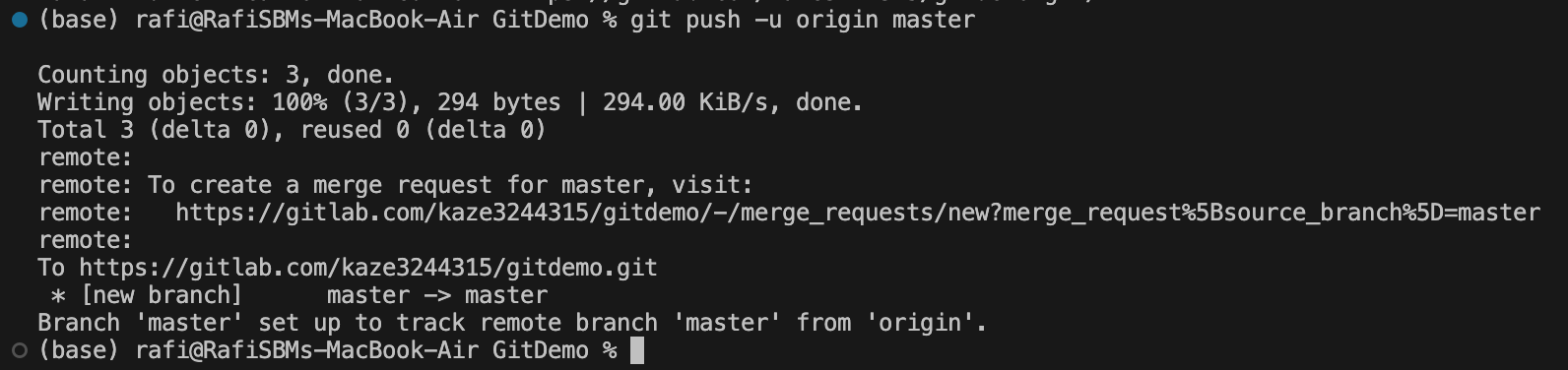


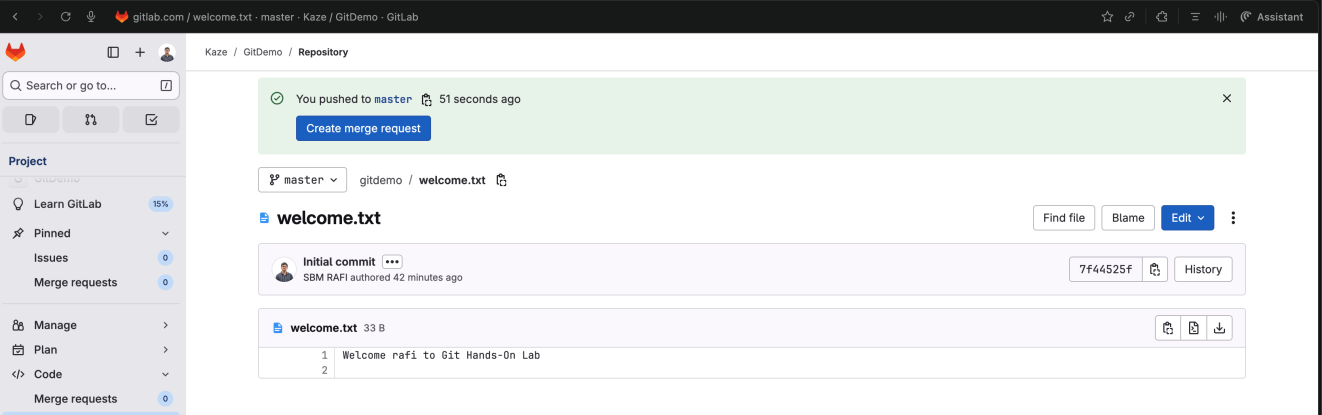
**Committing Changes with VS Code Editor**  


**Remote Repository Creation & Linking Remote to Local**





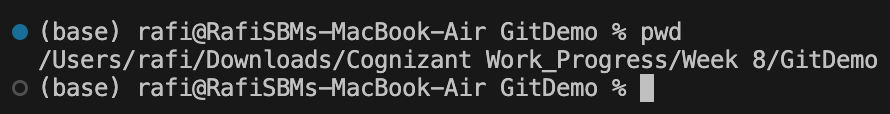
**Successful Push to Remote**  
****

**Final Repository on GitLab**  
****

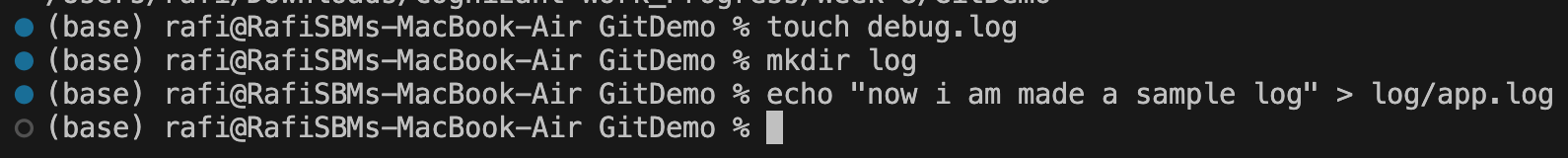
**File : 2. Git-HOL.docx**

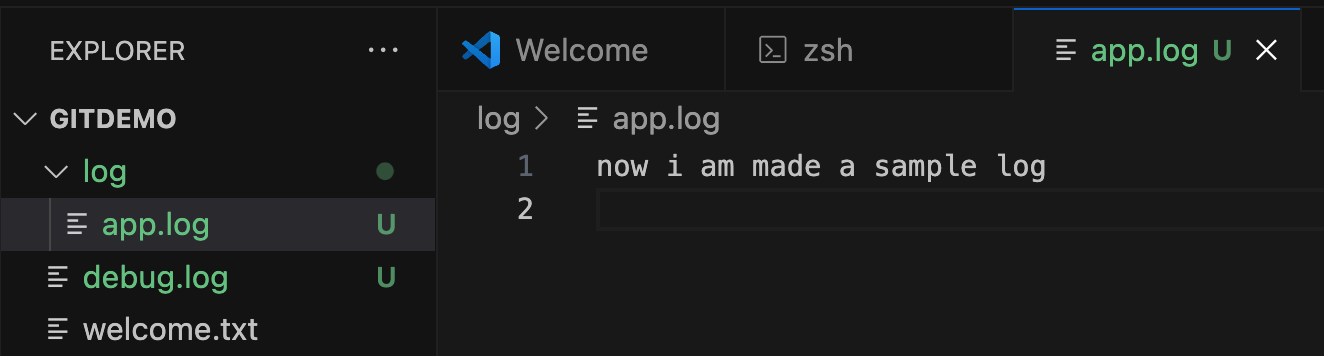
**Exercise :** Ignoring Unwanted Files and Folders in Git using .gitignore

**Current Repository**

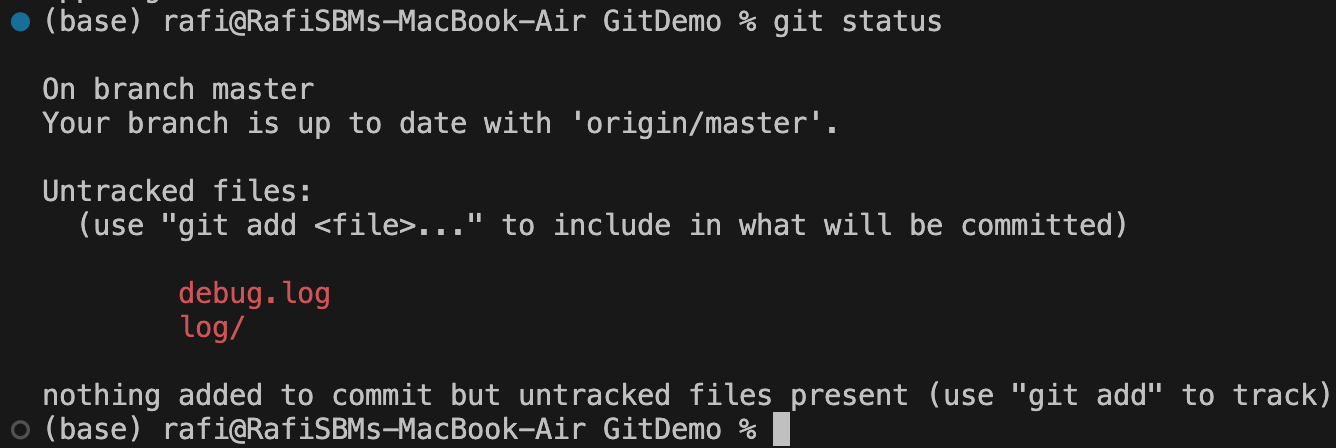


**Creating Log File and Folder**

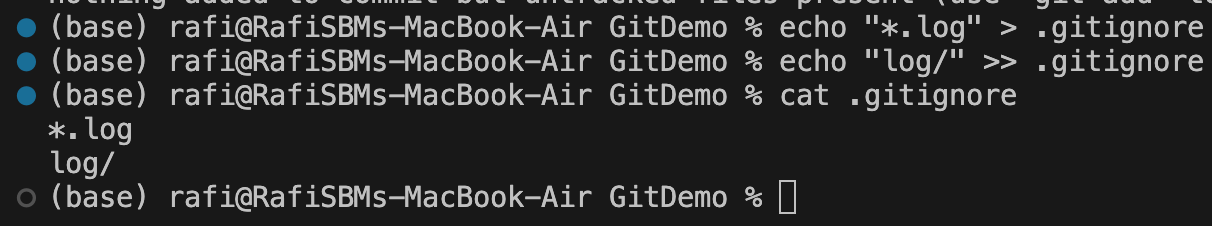




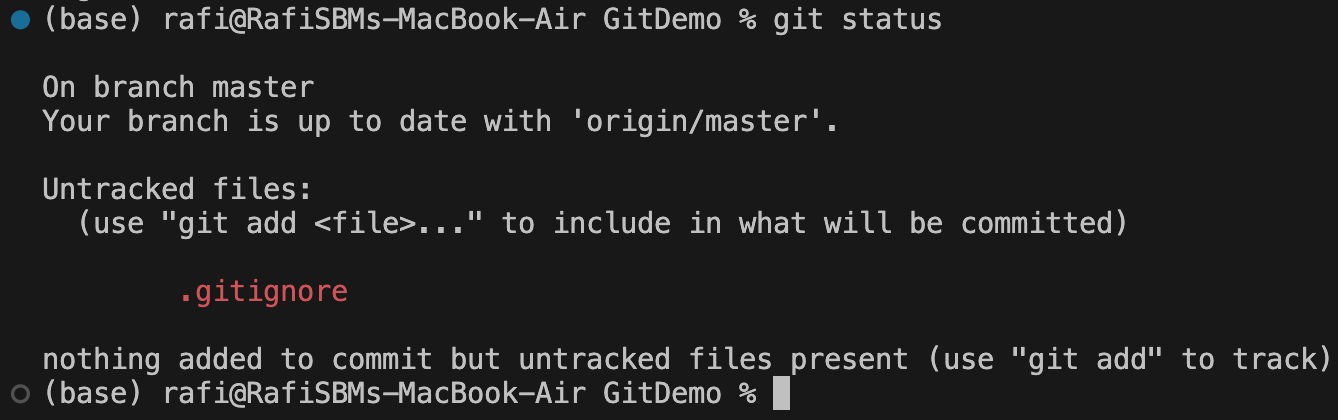
**Git Status Before Ignoring**



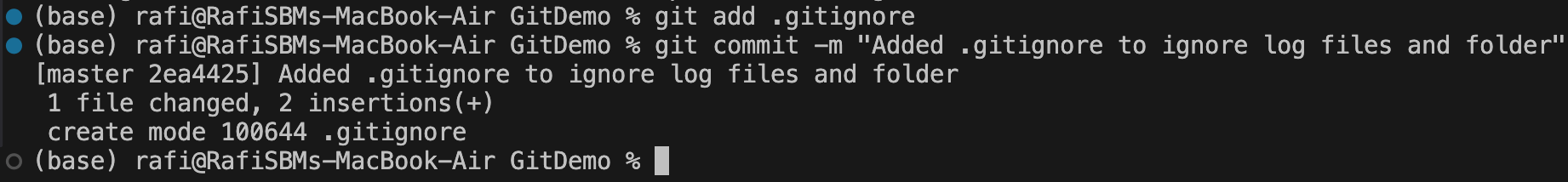
**Updating** .gitignore **File**

****

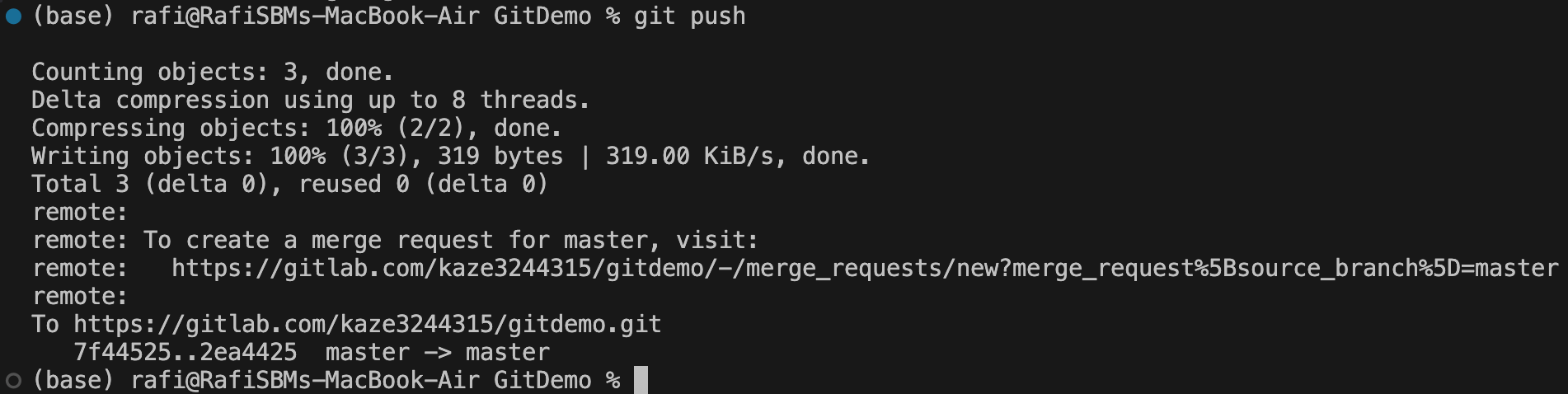
**Git Status After Ignoring**



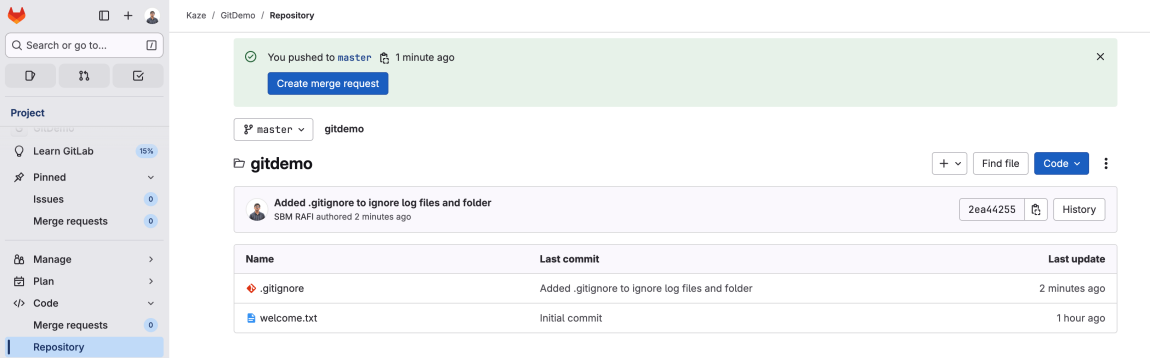
**Committing** .gitignore **File**

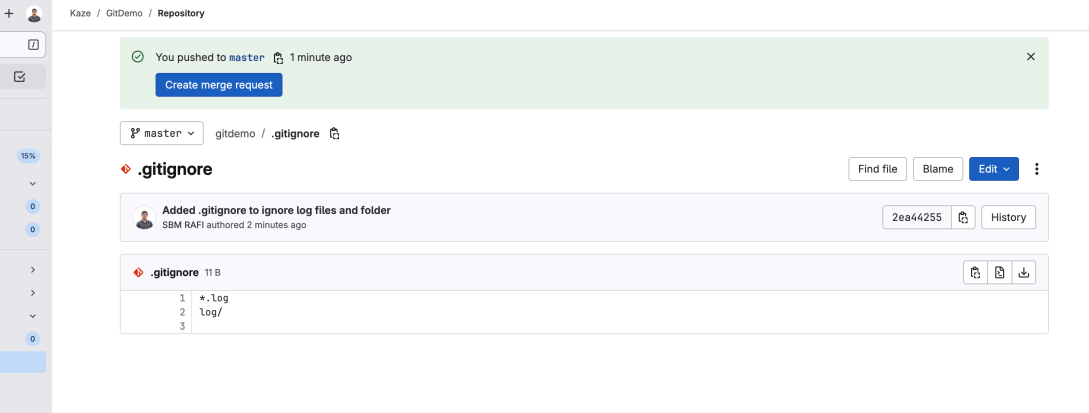
****

**Pushing Changes to Remote**

****

**Verifying on GitLab**





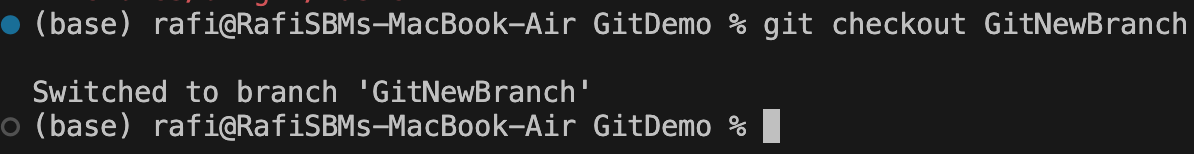
**File : 3. Git-HOL.docx**

**Exercise :** Git Branching and Merging

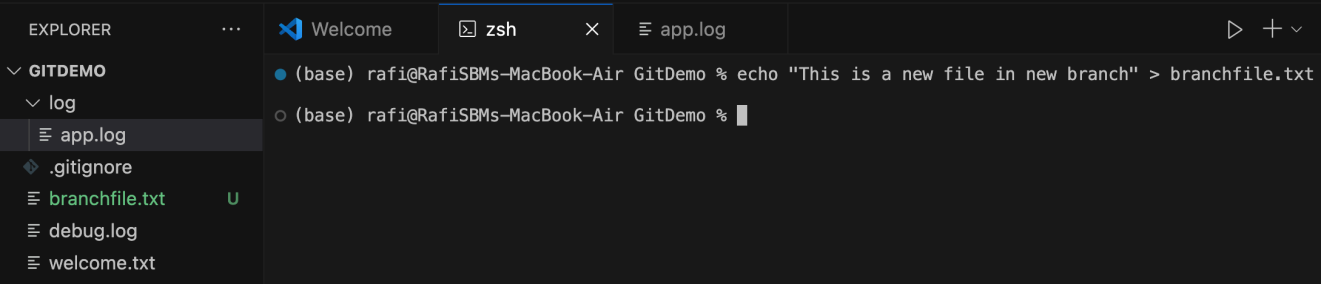
**Listing Local and Remote Branches**



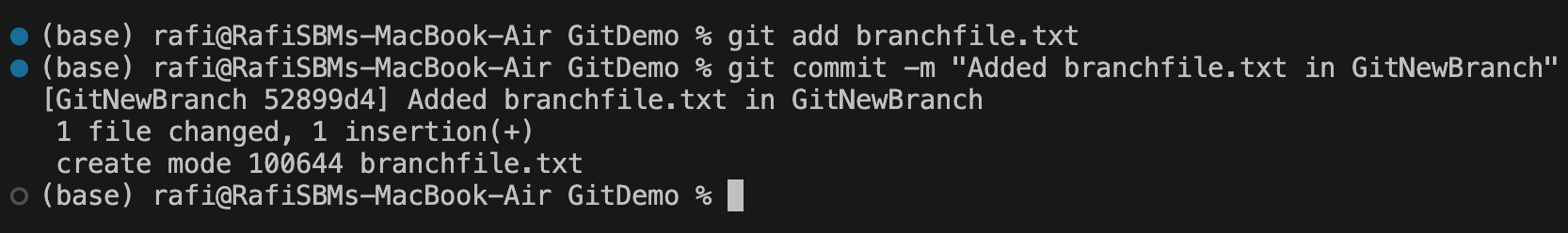
**Switching to New Branch**

****

**Creating a File in New Branch**

****

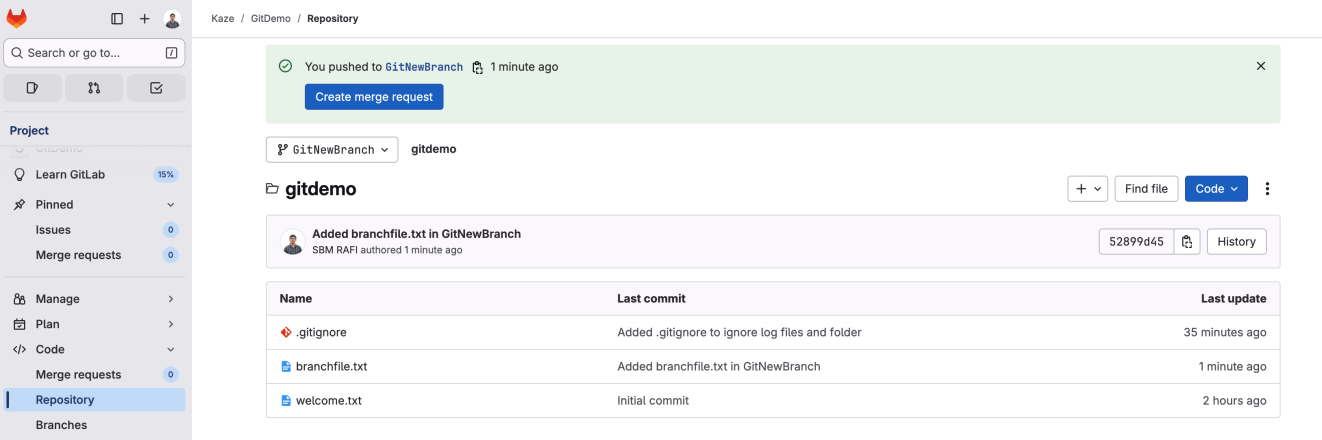
**Committing Changes in the Branch**

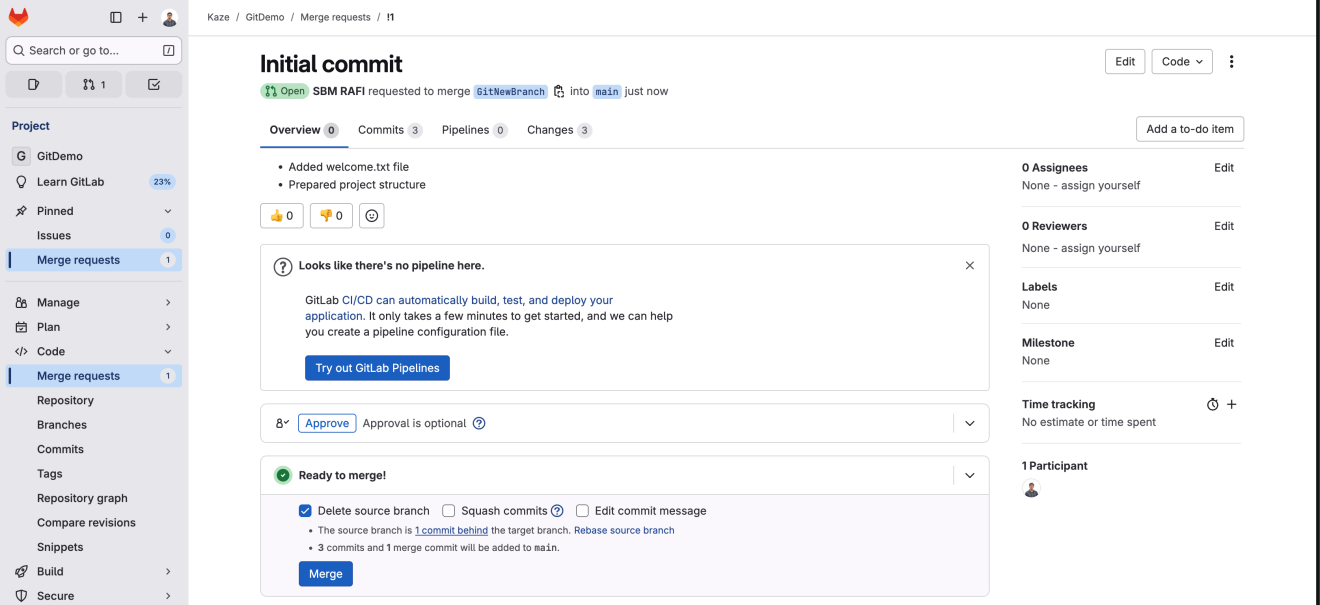
****

**Pushing Branch to GitLab**

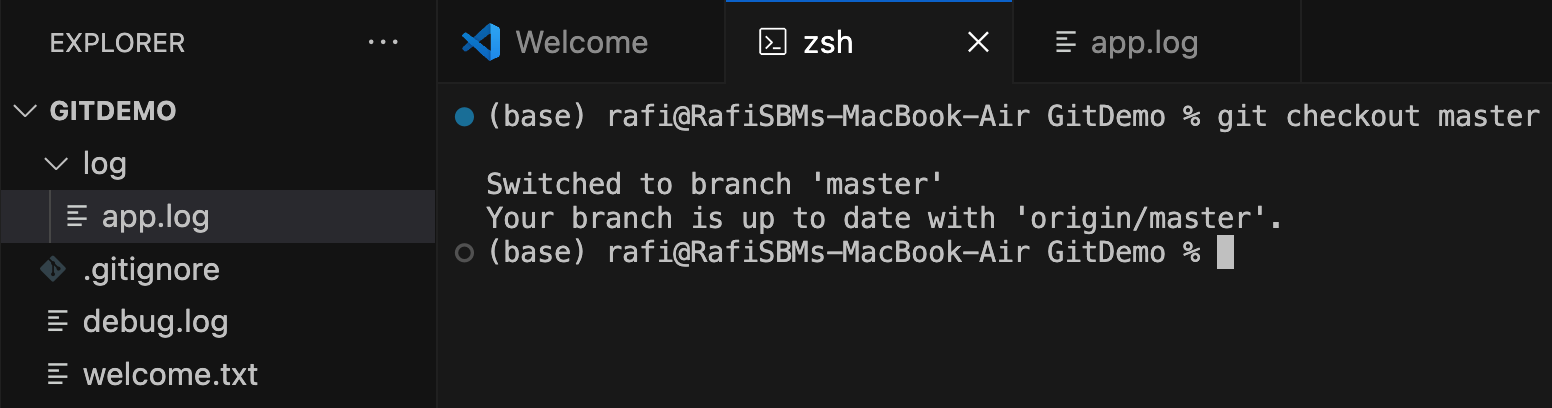
****

**Creating Merge Request in GitLab**

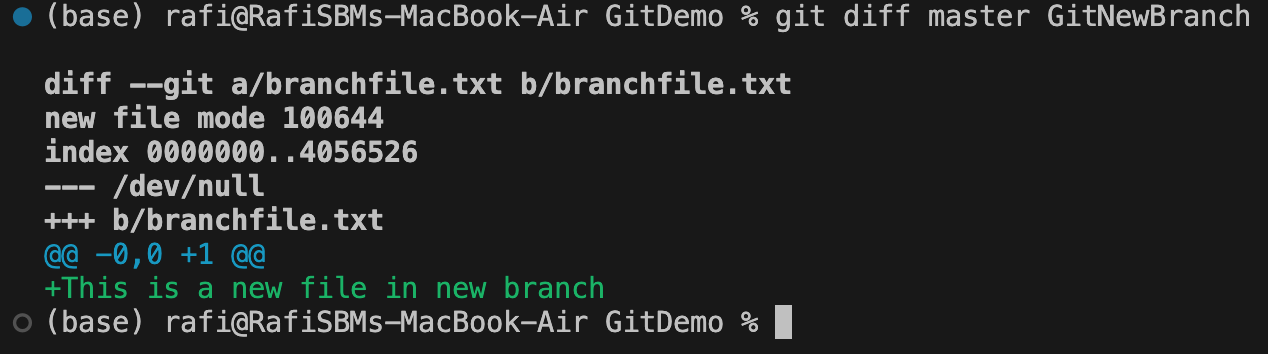
****

****

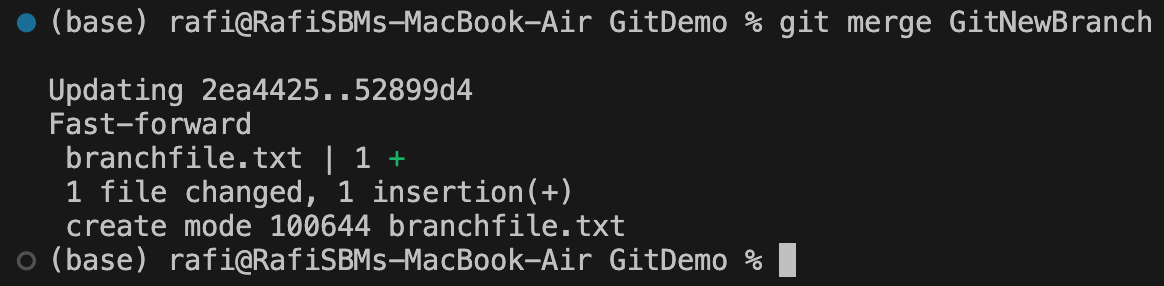
**Switching Back to Master**

****

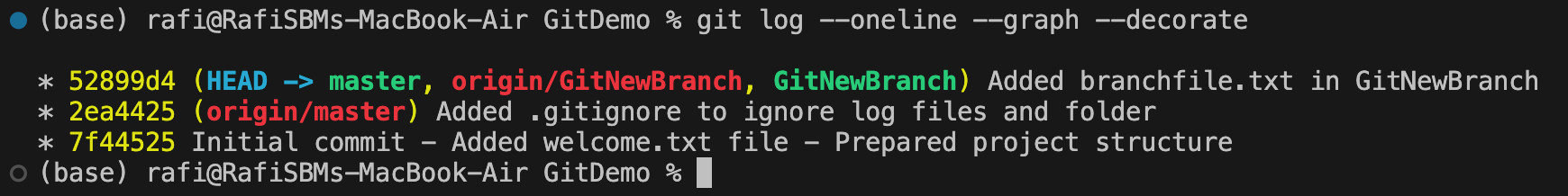
**Viewing CLI Differences Between Branch and Master**

****

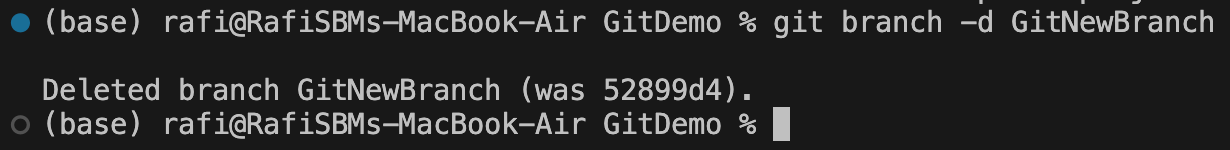
**Merging Branch into Master**

****

**Viewing Merge History**

****

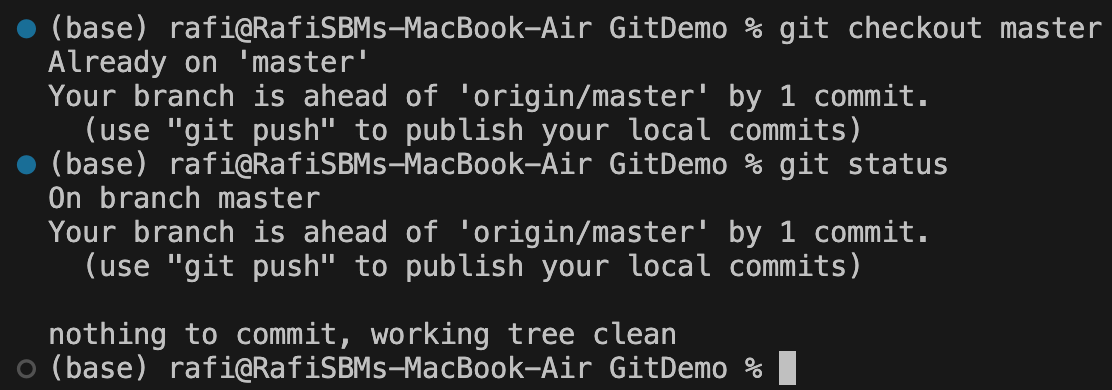
**Deleting Branch After Merge**

****

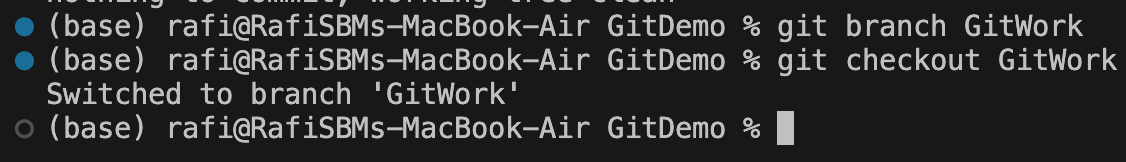
**File : 4. Git-HOL.docx**

**Exercise :** Merge Conflict Resolution in Git

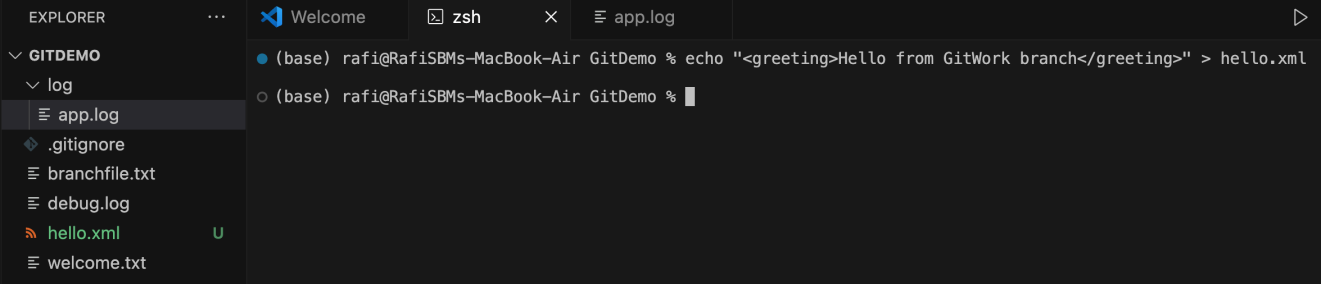
**Master Branch Clean State**

****

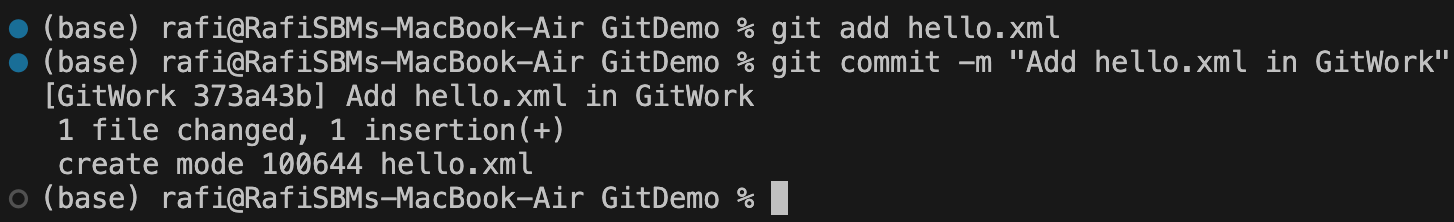
**Creating and Switching to GitWork Branch**

****

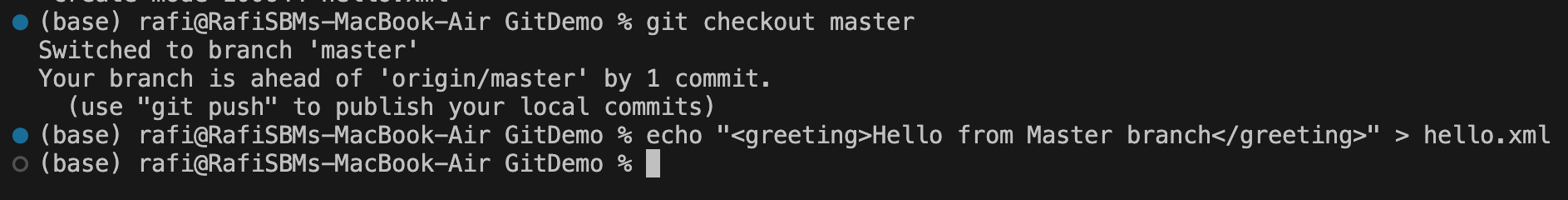
**Creating hello.xml in GitWork**

****

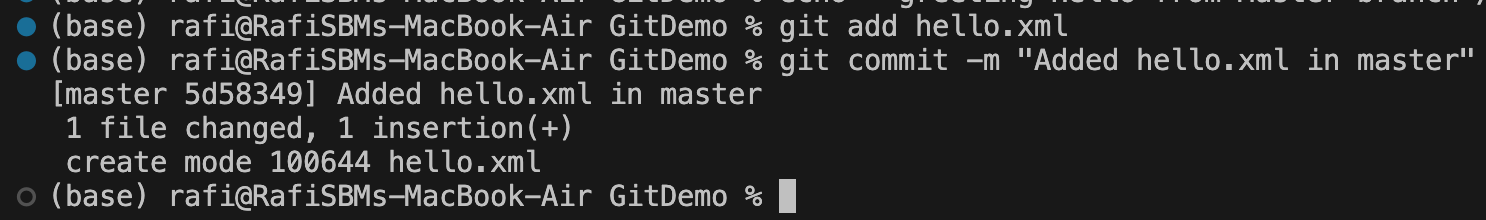
**Committing hello.xml in GitWork**

****

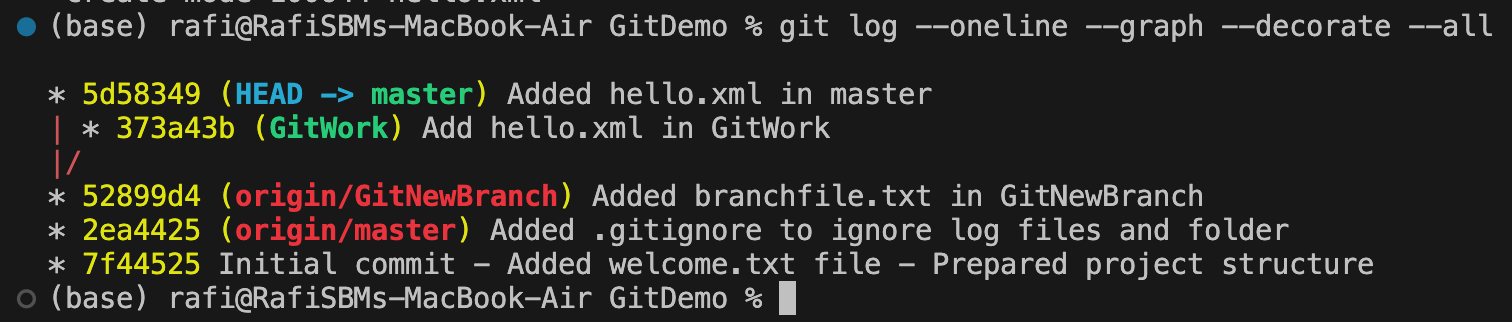
**Creating Different hello.xml in Master**

****

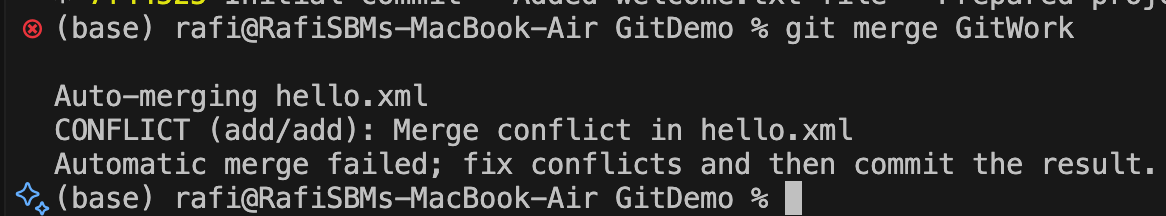
**Committing hello.xml in Master**

****

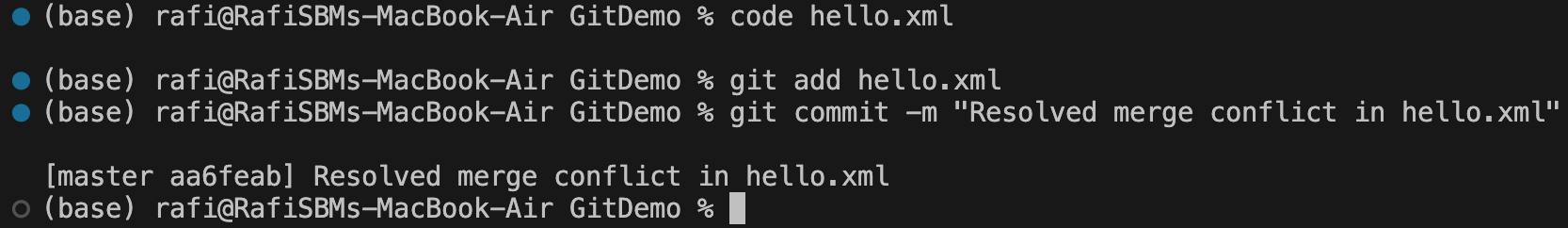
**Viewing Diverged Branch History**

****

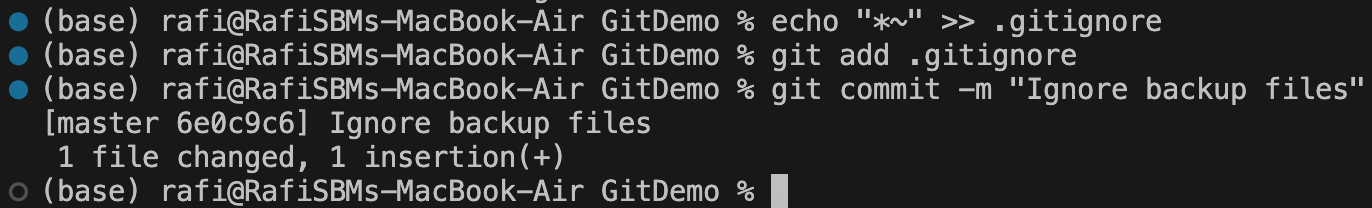
**Merge Conflict Occurs**

****

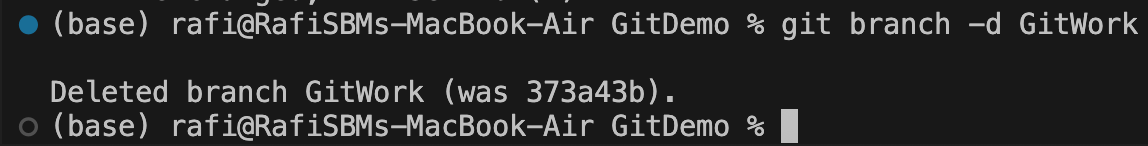
**Resolving Conflict in VS Code & Committing the Resolved Conflict**

****

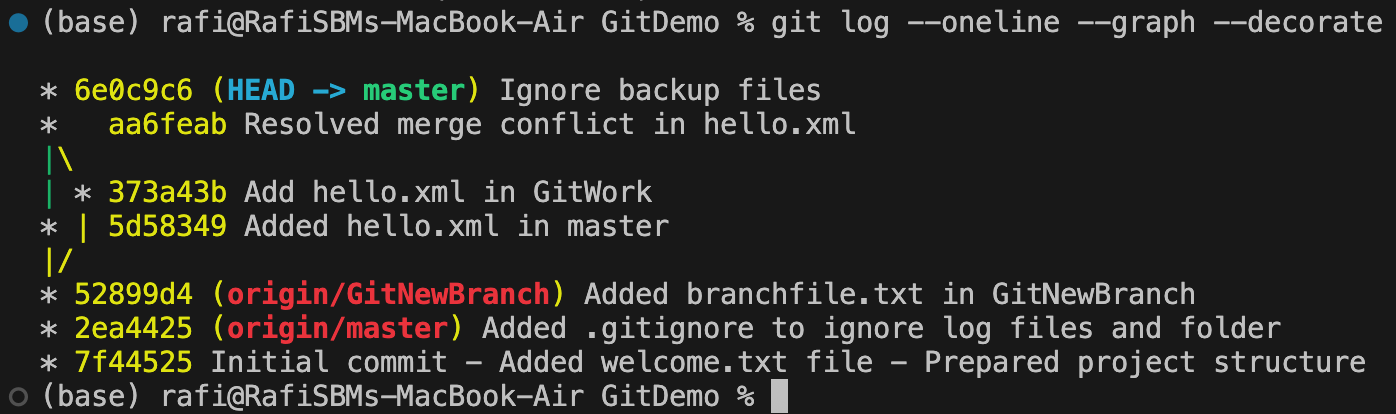
**Adding Backup File Ignore Rule**

****

**Deleting GitWork Branch**

****

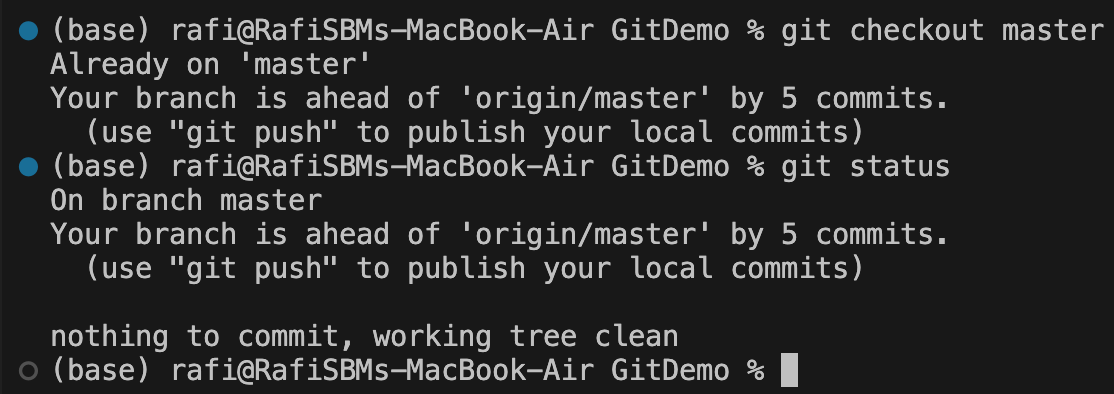
**Final Commit History After Merge**

****

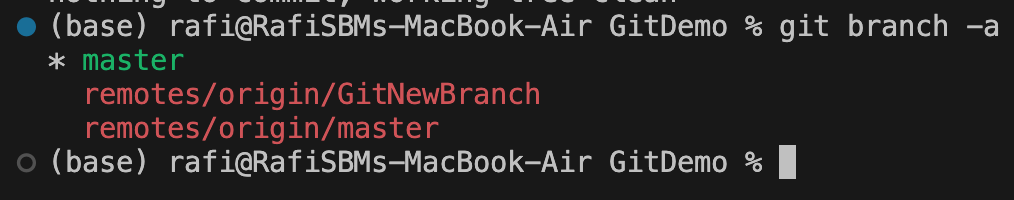
**File : 5. Git-HOL.docx**

**Exercise :** Cleaning Up and Pushing to Remote Git

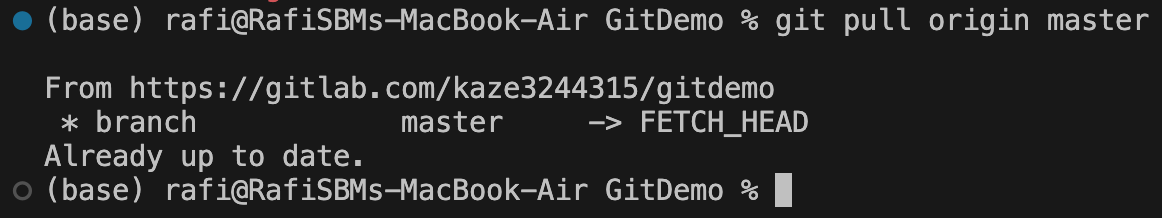
**Master Branch Clean State**

****

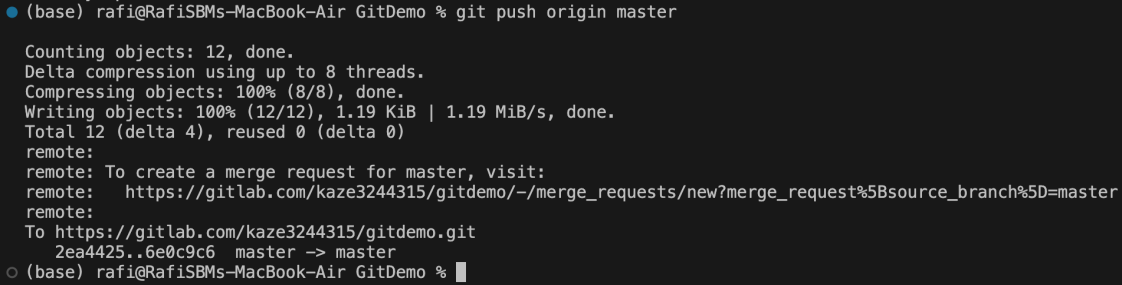
**Listing all available branches**

****

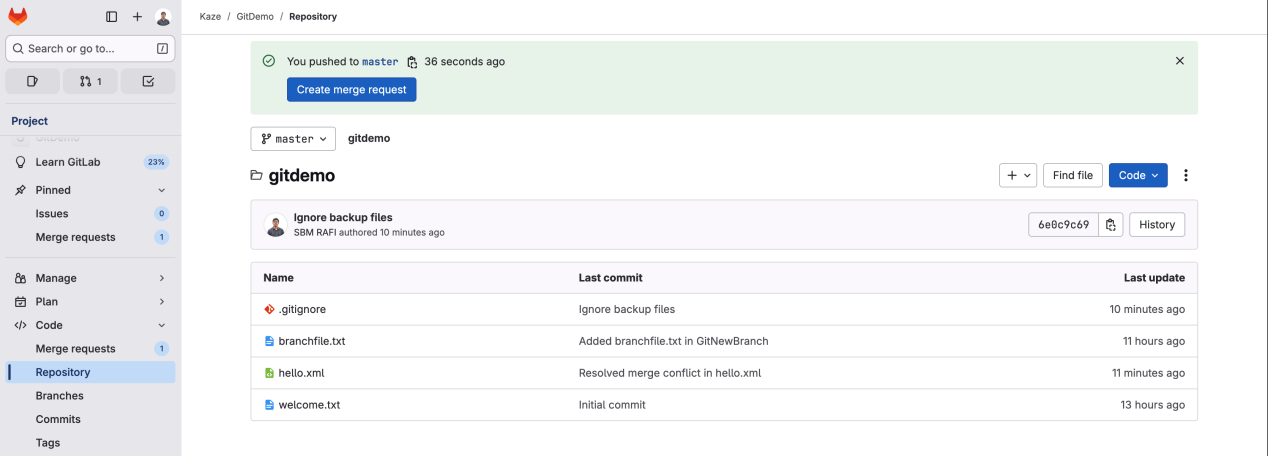
**Pulling latest changes from remote**

****

**Pushing pending changes to remote**

****

**Verifying changes on GitLab**

****