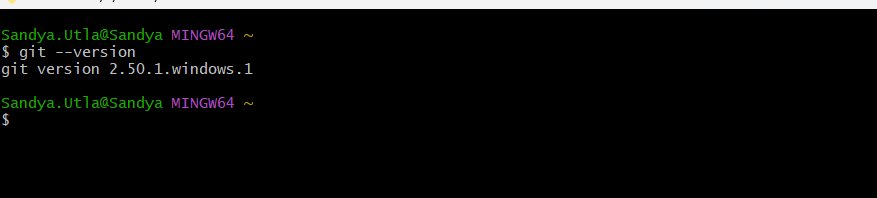
**HANDSON EXERCISES - WEEK 8**

**Skill : GIT**

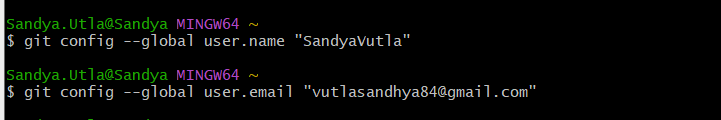
**File : 1. Git-HOL.docx**

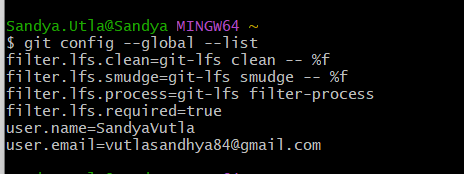
**Exercise :** Git Setup and Repository Push to GitLab

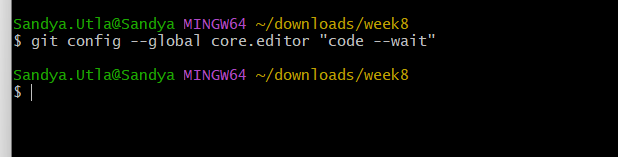
**Git Installation Check**

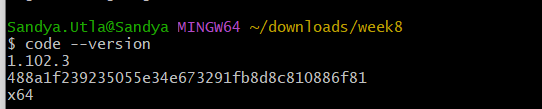


**Git Global Configuration**

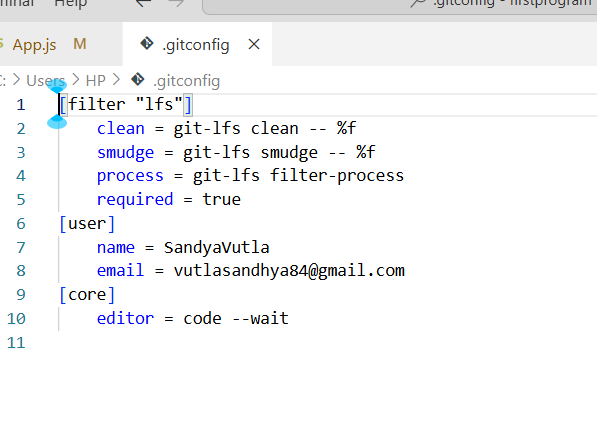


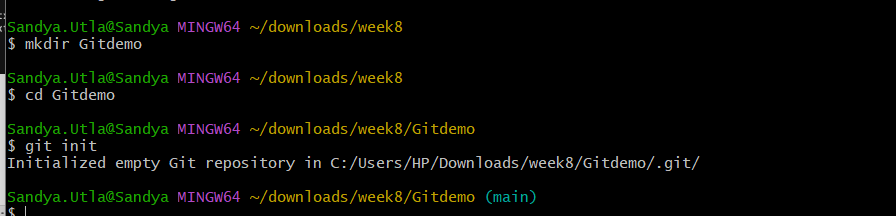


**Setting VS Code as Default Git Editor**  


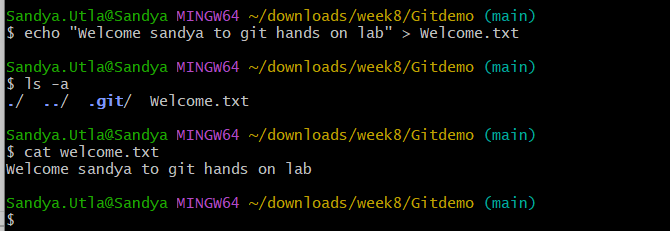


**Opening** .gitconfig **in VS Code**

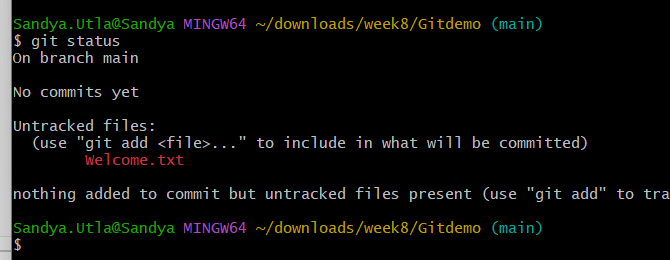


**Initializing Git Repository**  


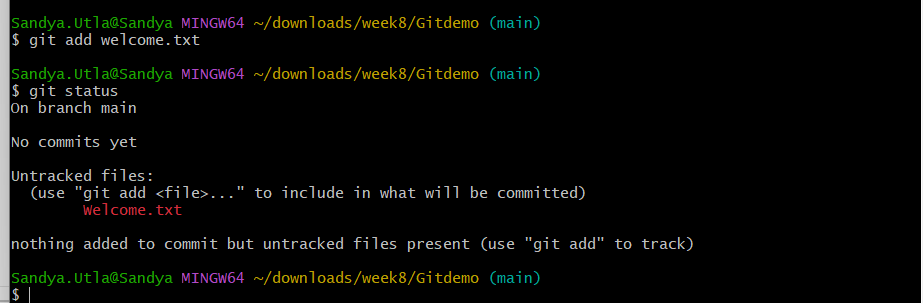
**Creating the File & viewing its contents**

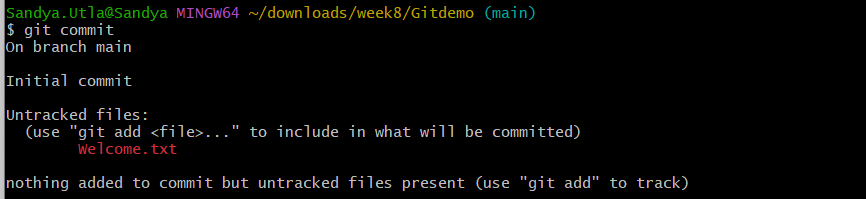


**Checking Git Status (Untracked)**

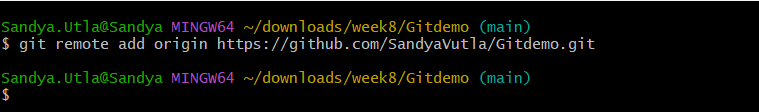


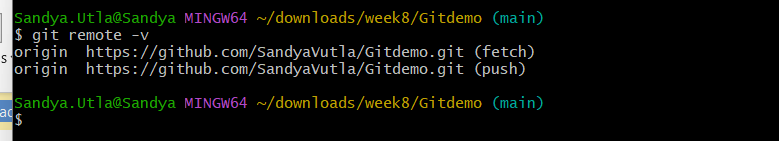
**Adding File to Staging**

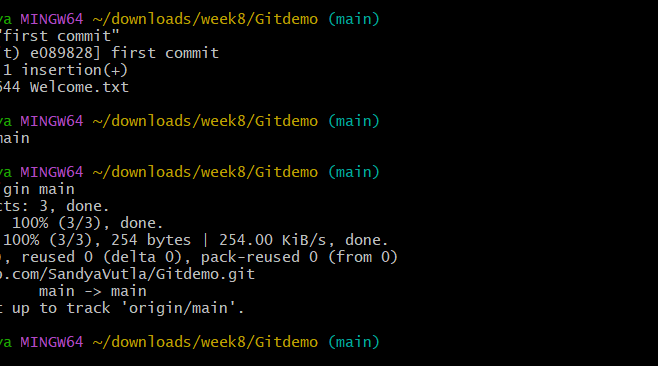


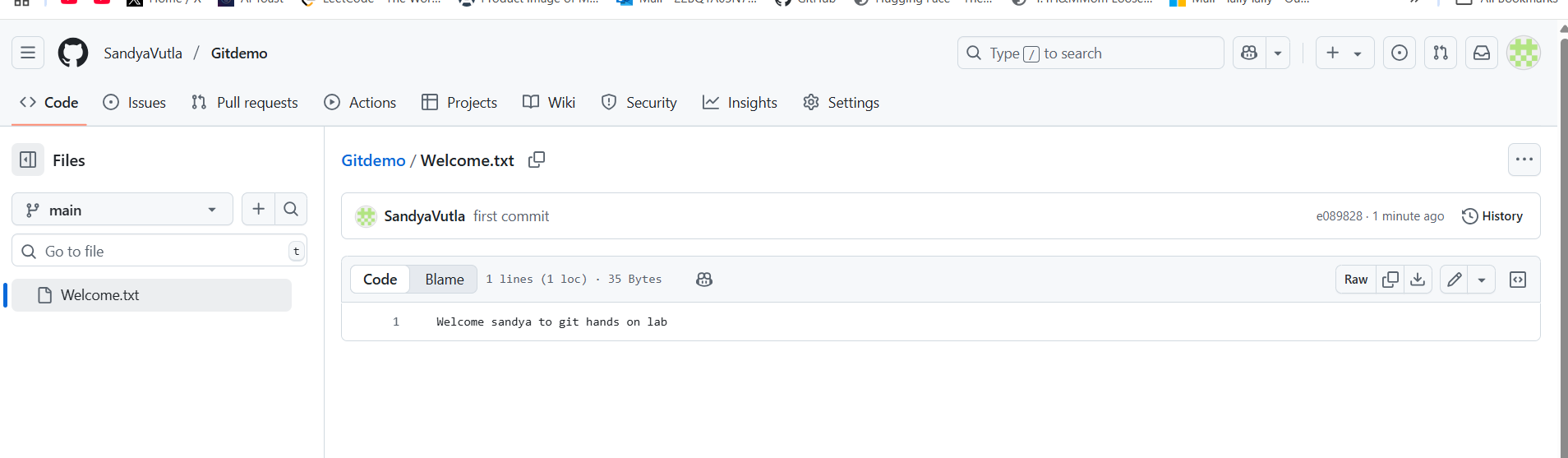
**Committing Changes with VS Code Editor**  


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





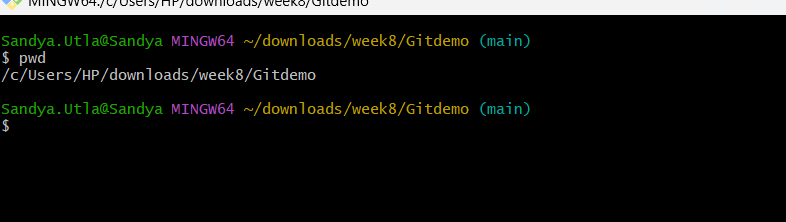
**Successful Push to Remote**  


**Final Repository on GitLab**  


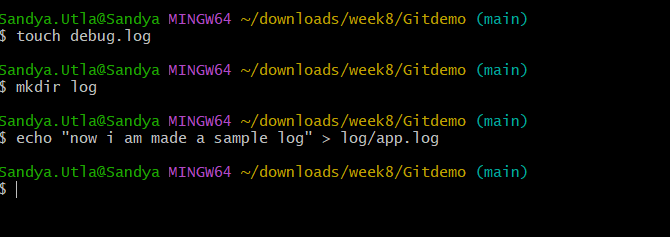
**File : 2. Git-HOL.docx**

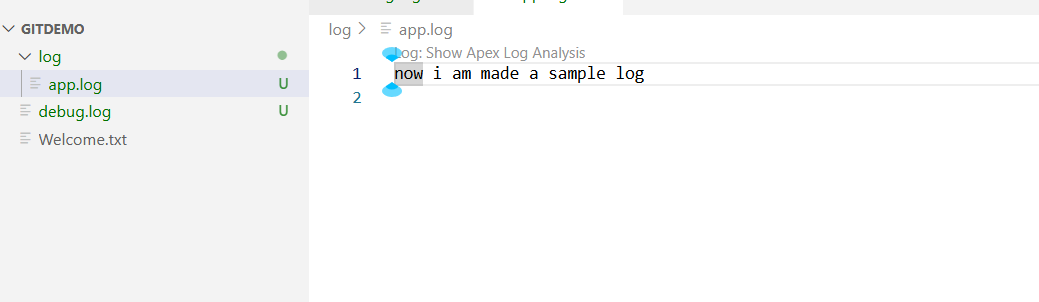
**Exercise :** Ignoring Unwanted Files and Folders in Git using .gitignore

**Current Repository**

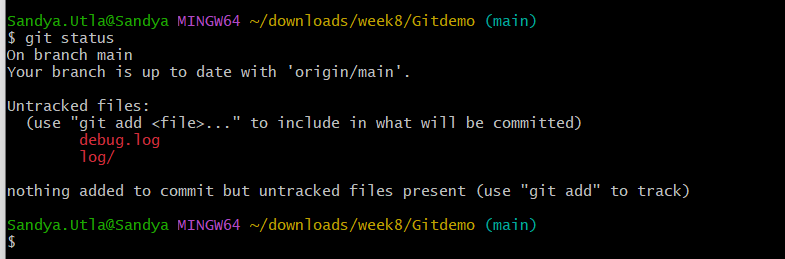


**Creating Log File and Folder**





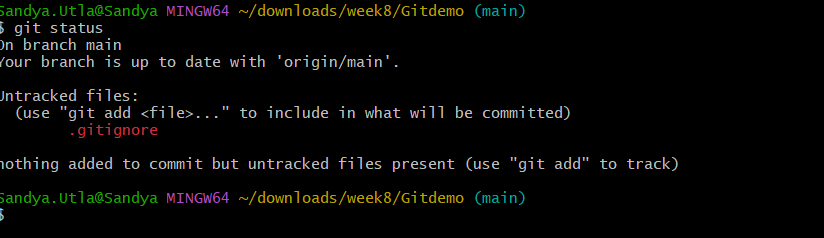
**Git Status Before Ignoring**



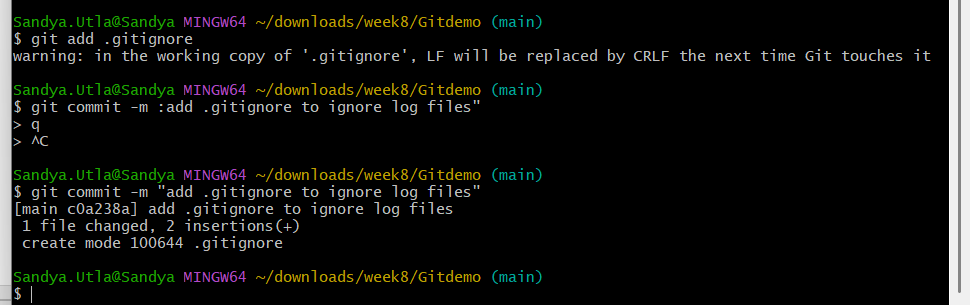
**Updating** .gitignore **File**



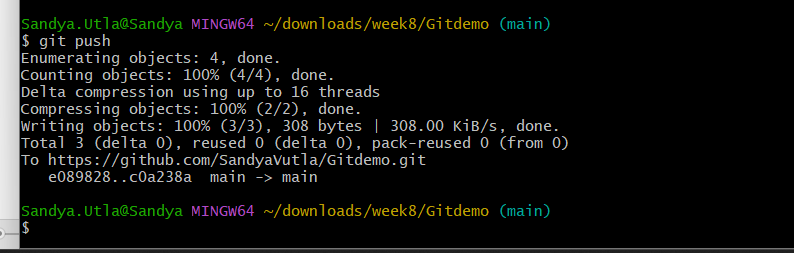
**Git Status After Ignoring**



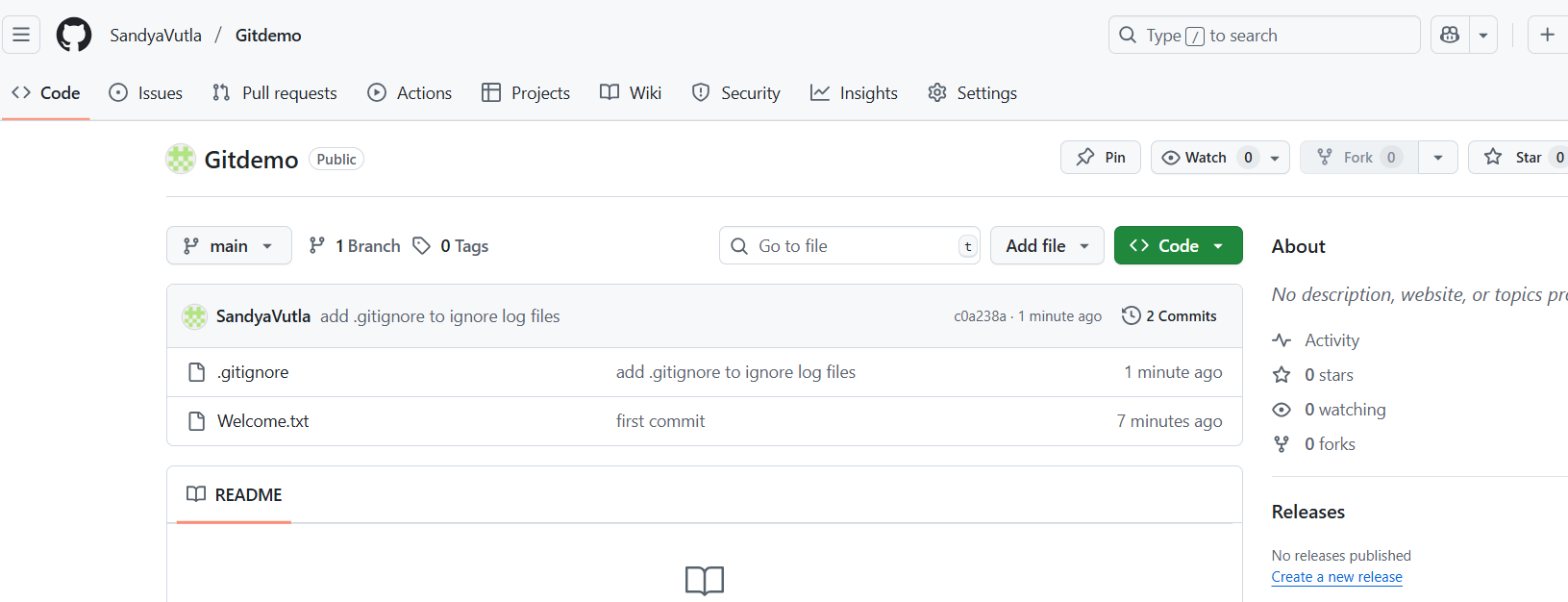
**Committing** .gitignore **File**

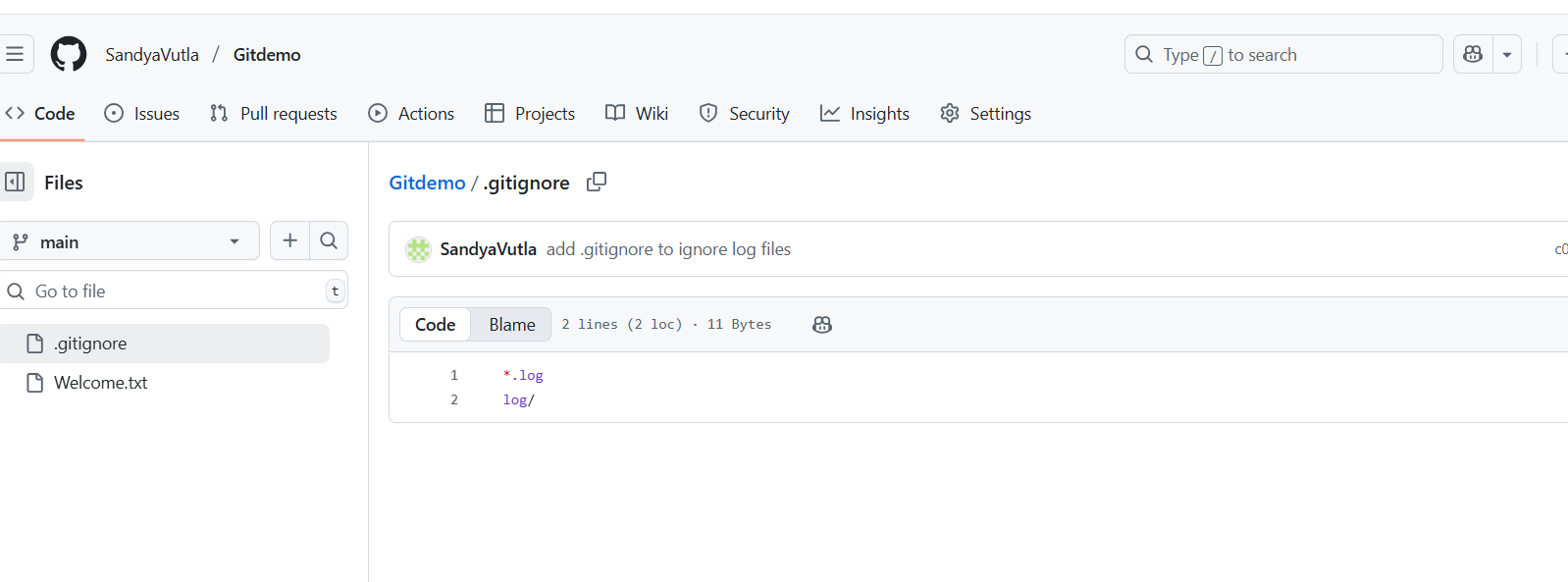


**Pushing Changes to Remote**



**Verifying on GitLab**

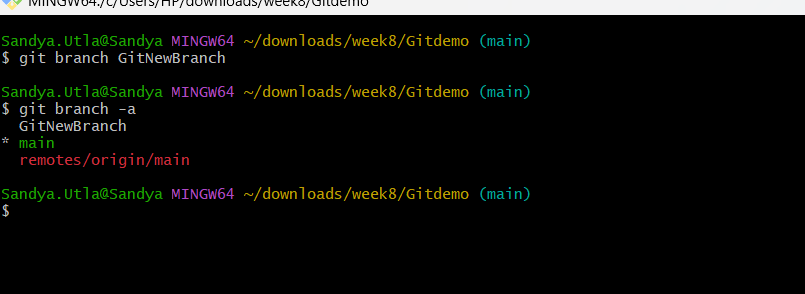




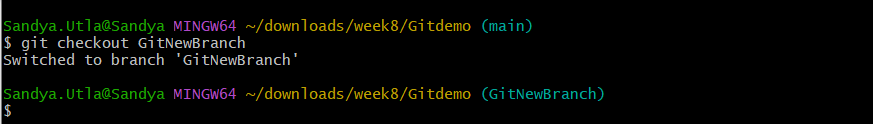
**File : 3. Git-HOL.docx**

**Exercise :** Git Branching and Merging

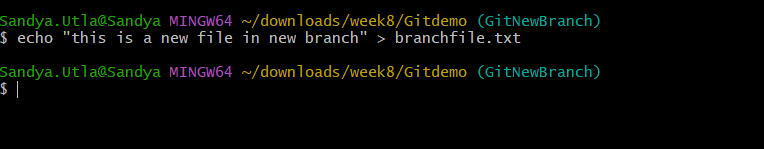
**Listing Local and Remote Branches**



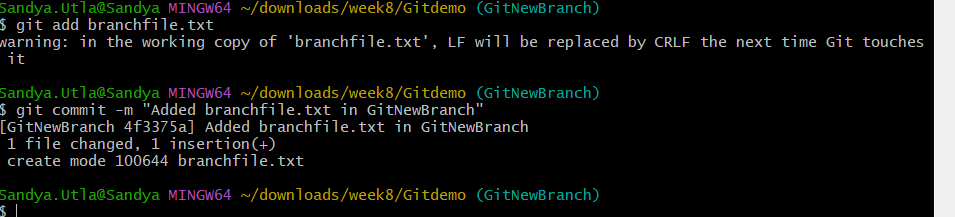
**Switching to New Branch**



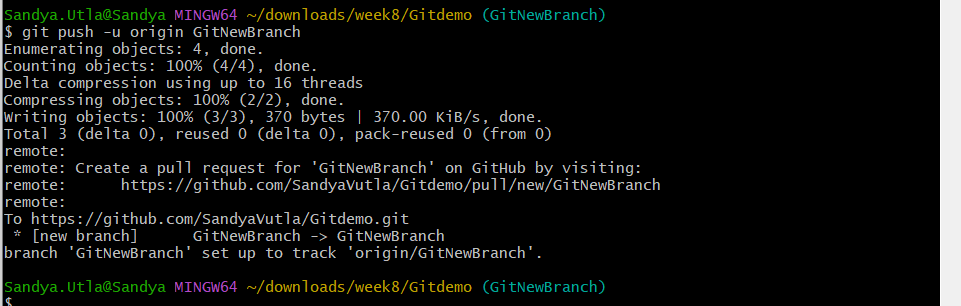
**Creating a File in New Branch**



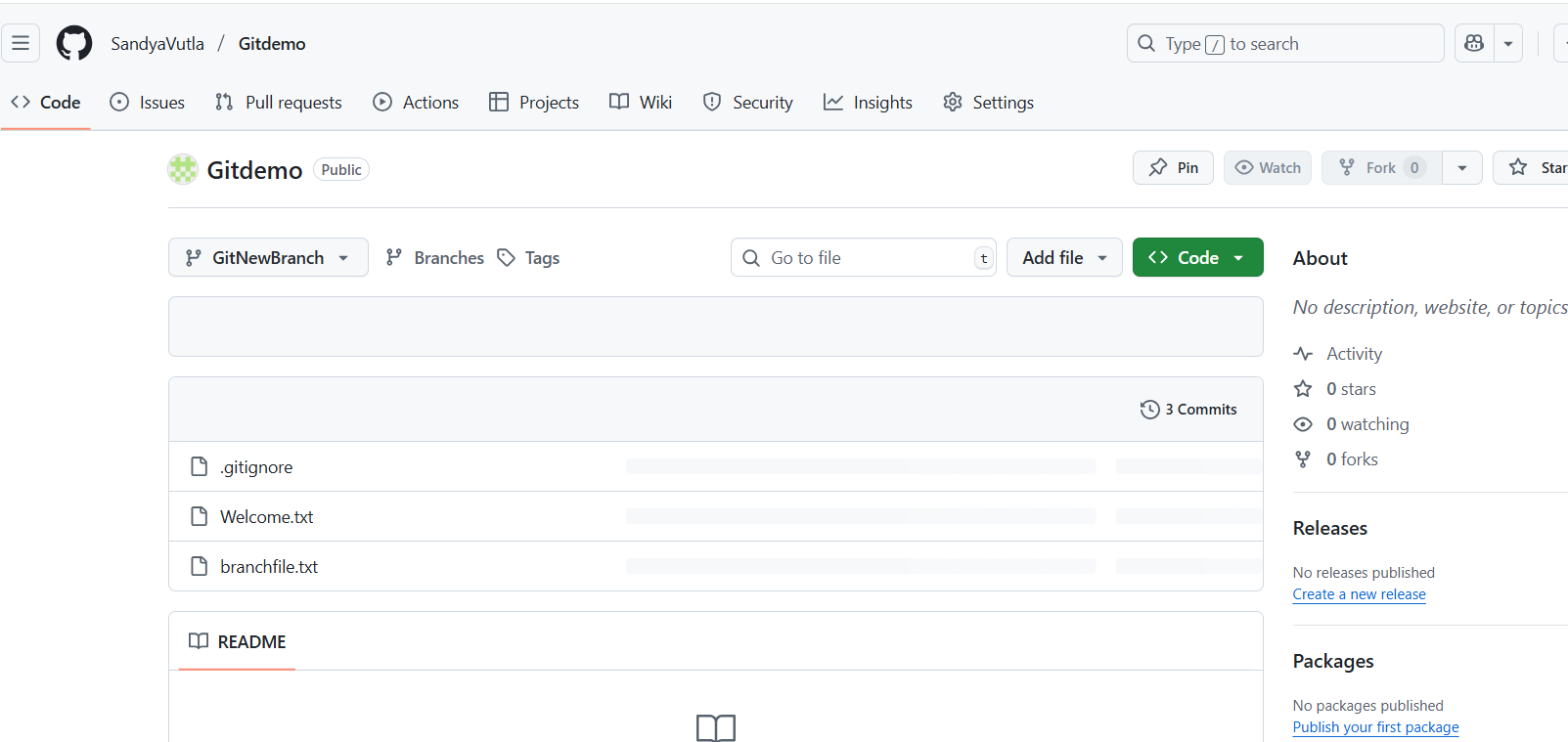
**Committing Changes in the Branch**

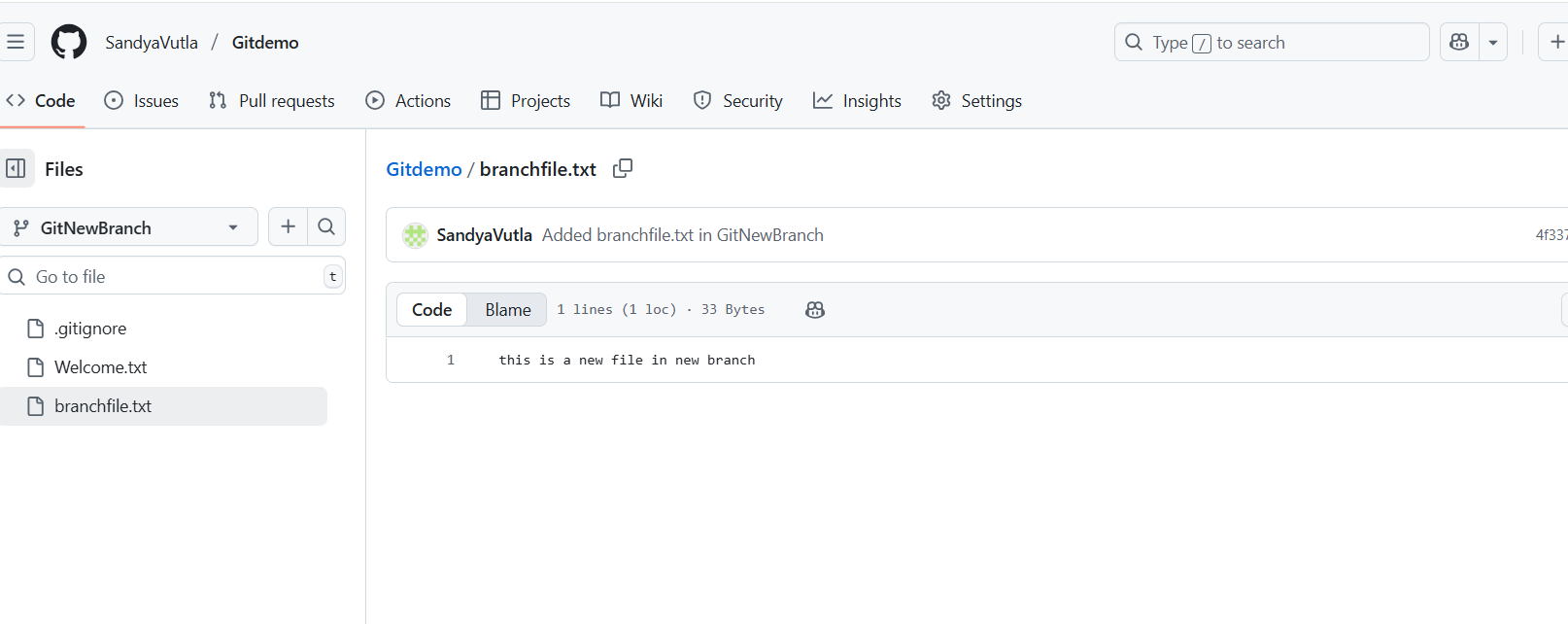


**Pushing Branch to GitLab**

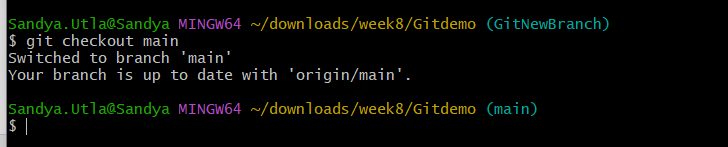


**Creating Merge Request in GitLab**

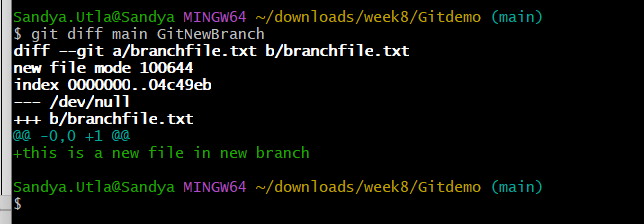




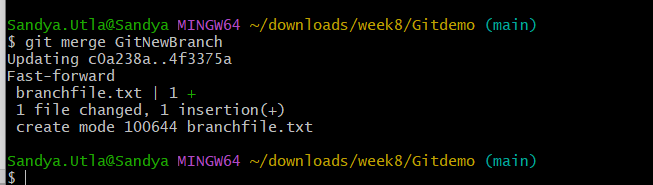
**Switching Back to Master**



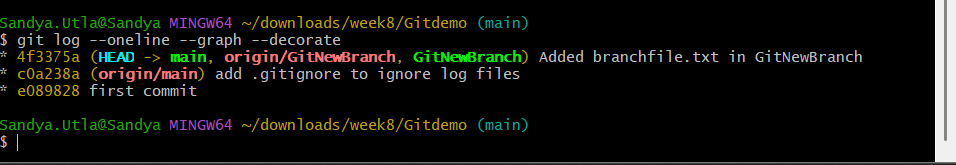
**Viewing CLI Differences Between Branch and Master**



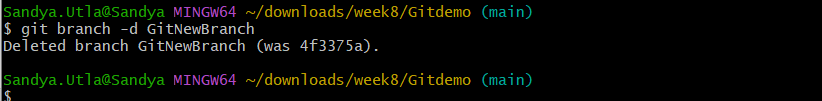
**Merging Branch into Master**



**Viewing Merge History**



**Deleting Branch After Merge**



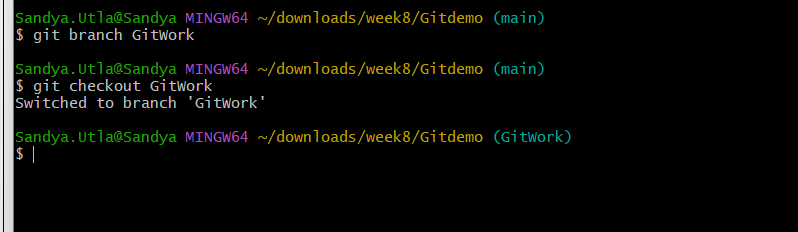
**File : 4. Git-HOL.docx**

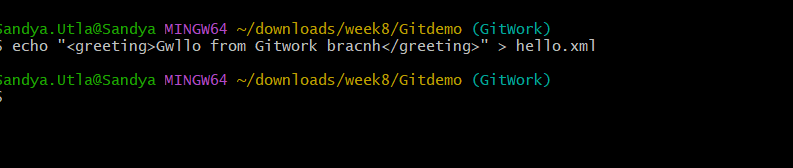
**Exercise :** Merge Conflict Resolution in Git

**Master Branch Clean State**

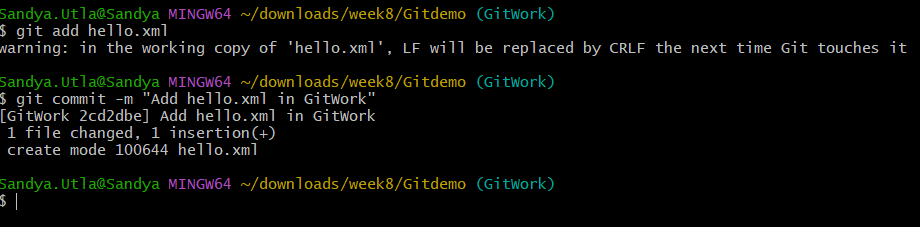


**Creating and Switching to GitWork Branch**

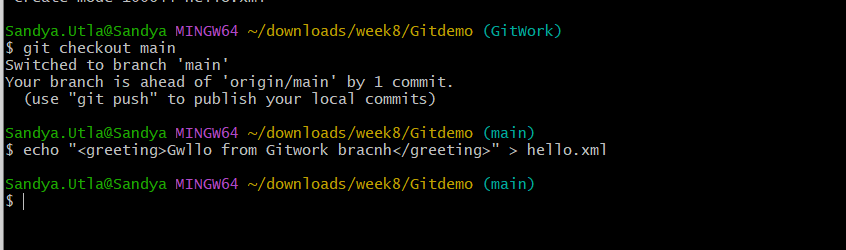


**Creating hello.xml in GitWork**

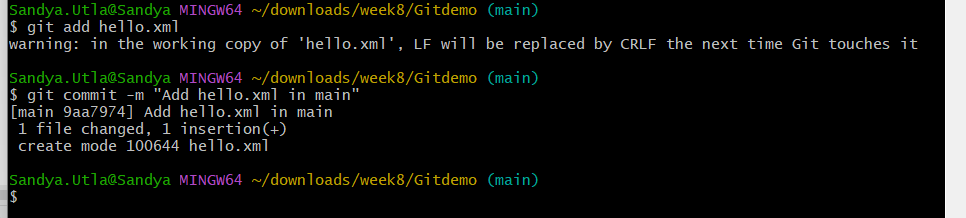
**Committing hello.xml in GitWork**



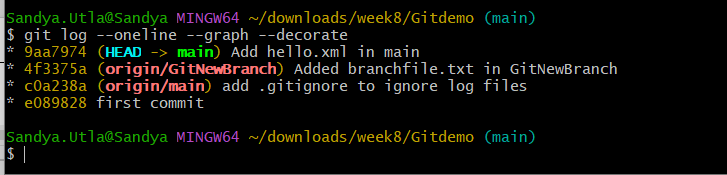
**Creating Different hello.xml in Master**



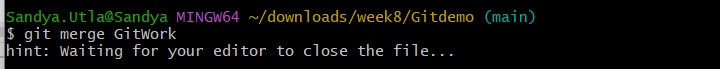
**Committing hello.xml in Master**



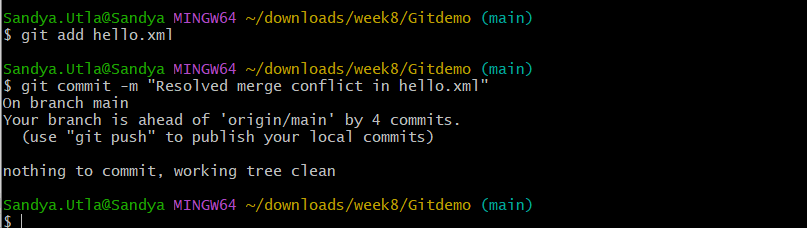
**Viewing Diverged Branch History**



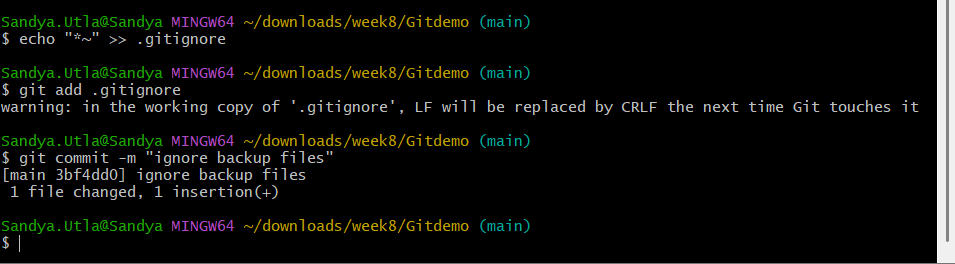
**Merge Conflict Occurs**



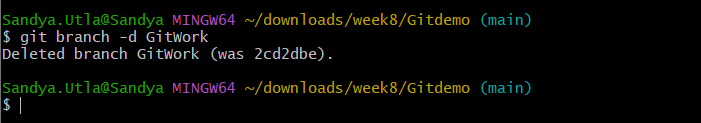
**Resolving Conflict in VS Code & Committing the Resolved Conflict**



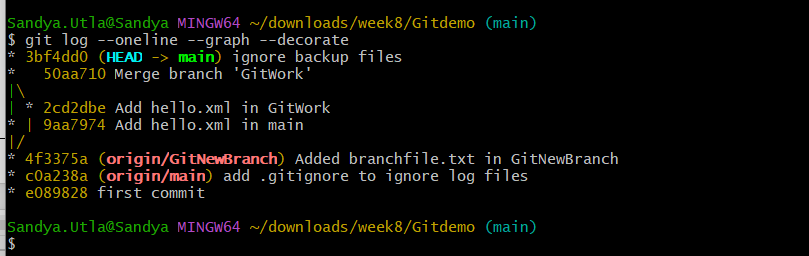
**Adding Backup File Ignore Rule**



**Deleting GitWork Branch**



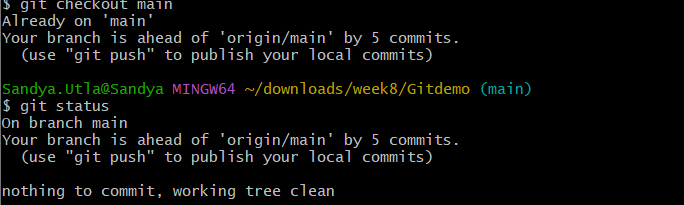
**Final Commit History After Merge**



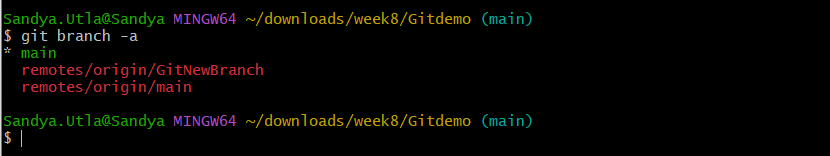
**File : 5. Git-HOL.docx**

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

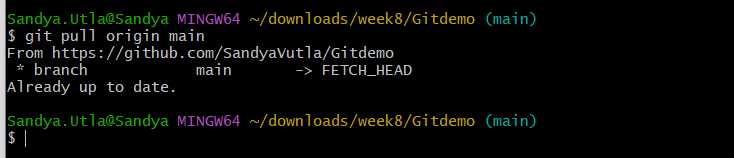
**Master Branch Clean State**



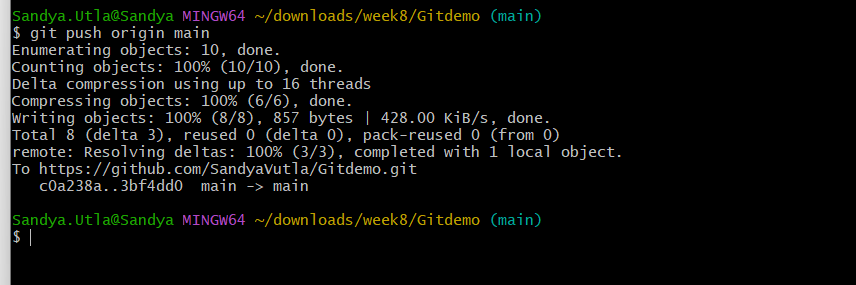
**Listing all available branches**



**Pulling latest changes from remote**



**Pushing pending changes to remote**



**Verifying changes on GitLab**

