**GIT Hands-on**

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**Exercise 1 :**

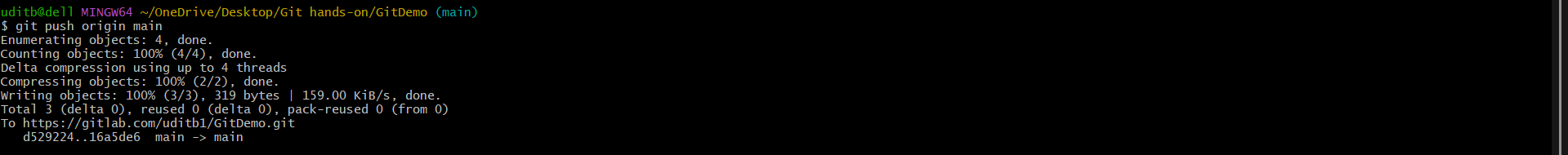
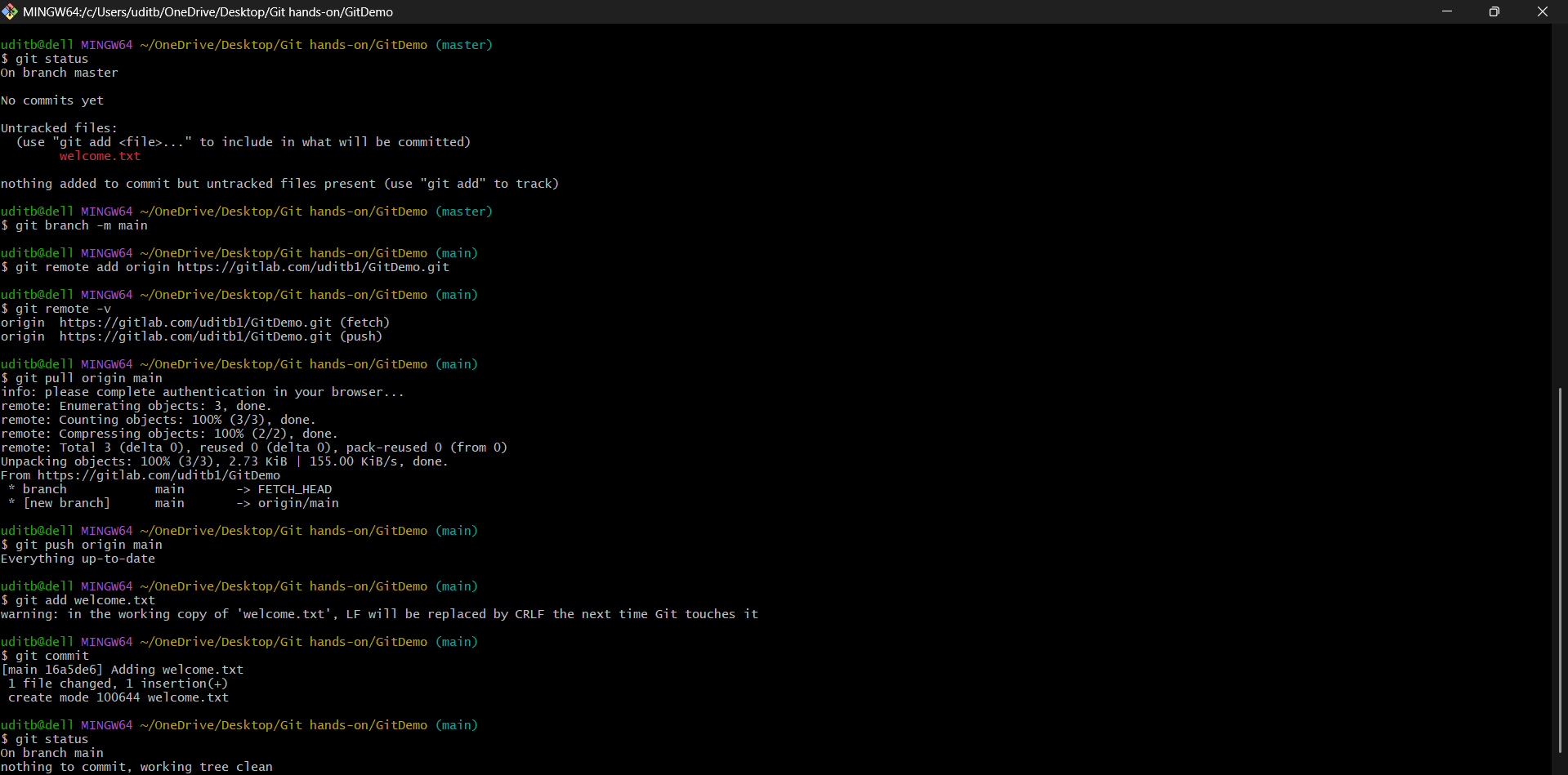
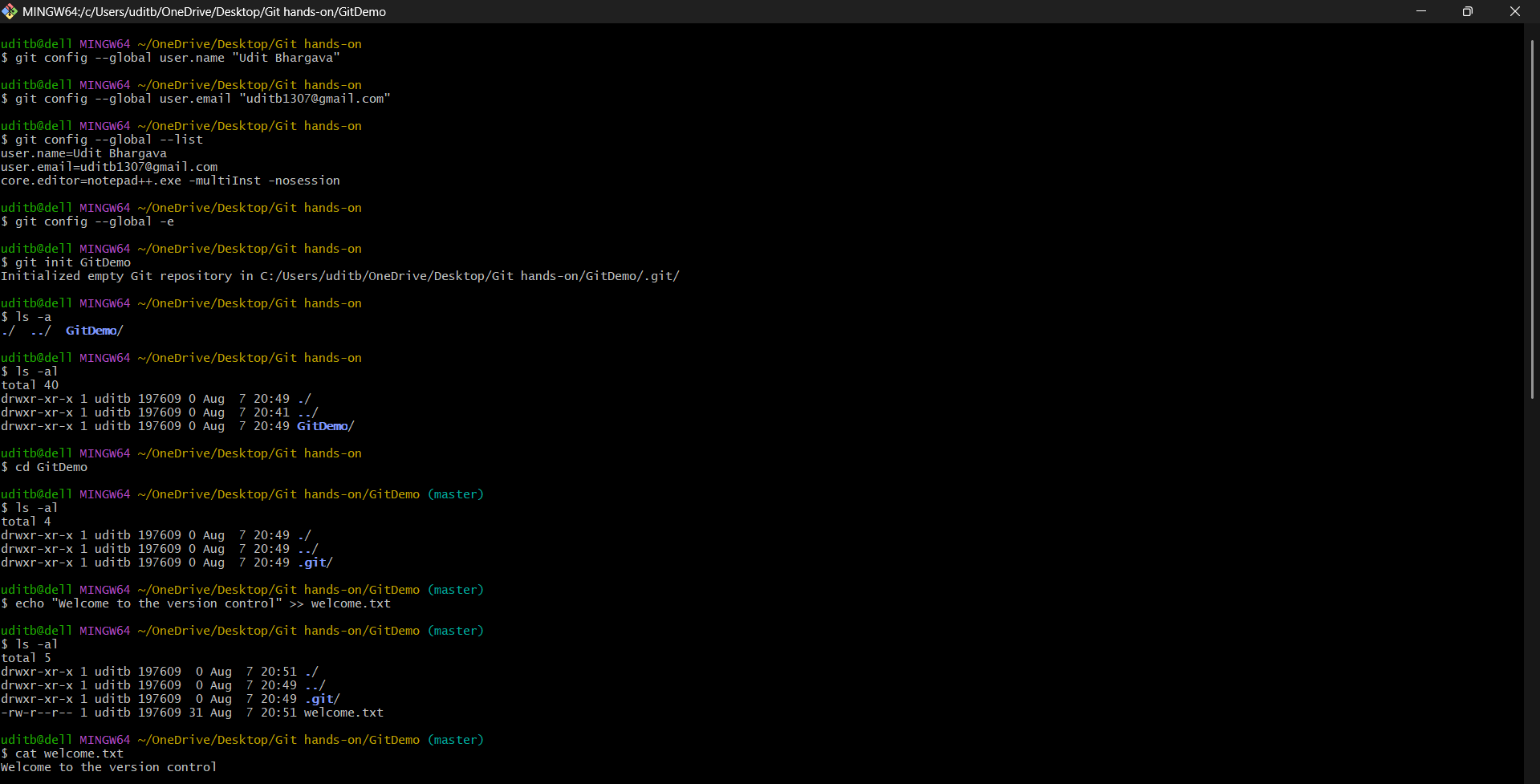
**Objectives**

Familiar with Git commands like git init, git status, git add, git commit, git push, and git pull.

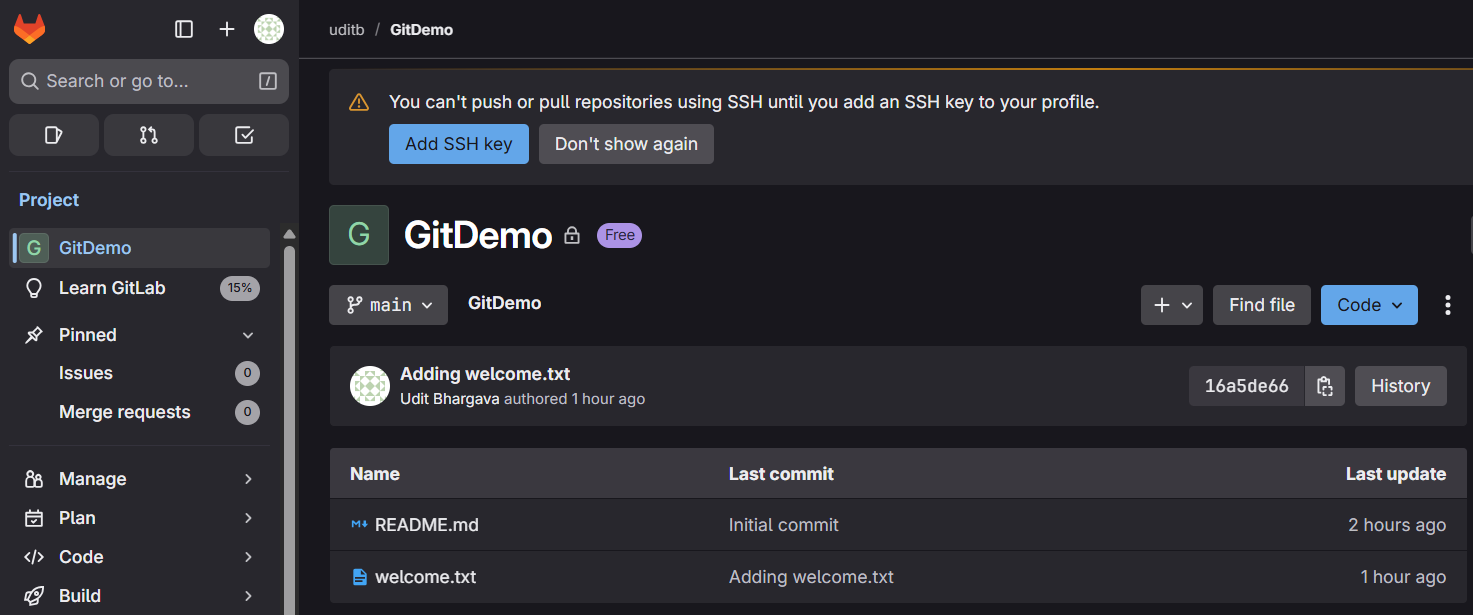
In this hands-on lab, you will learn how to

* Setup your machine with Git Configuration
* Integrate notepad++.exe to Git and make it a default editor
* Add a file to source code repository

**GIT Bash :**



**Output :**



**Exercise 2 :**

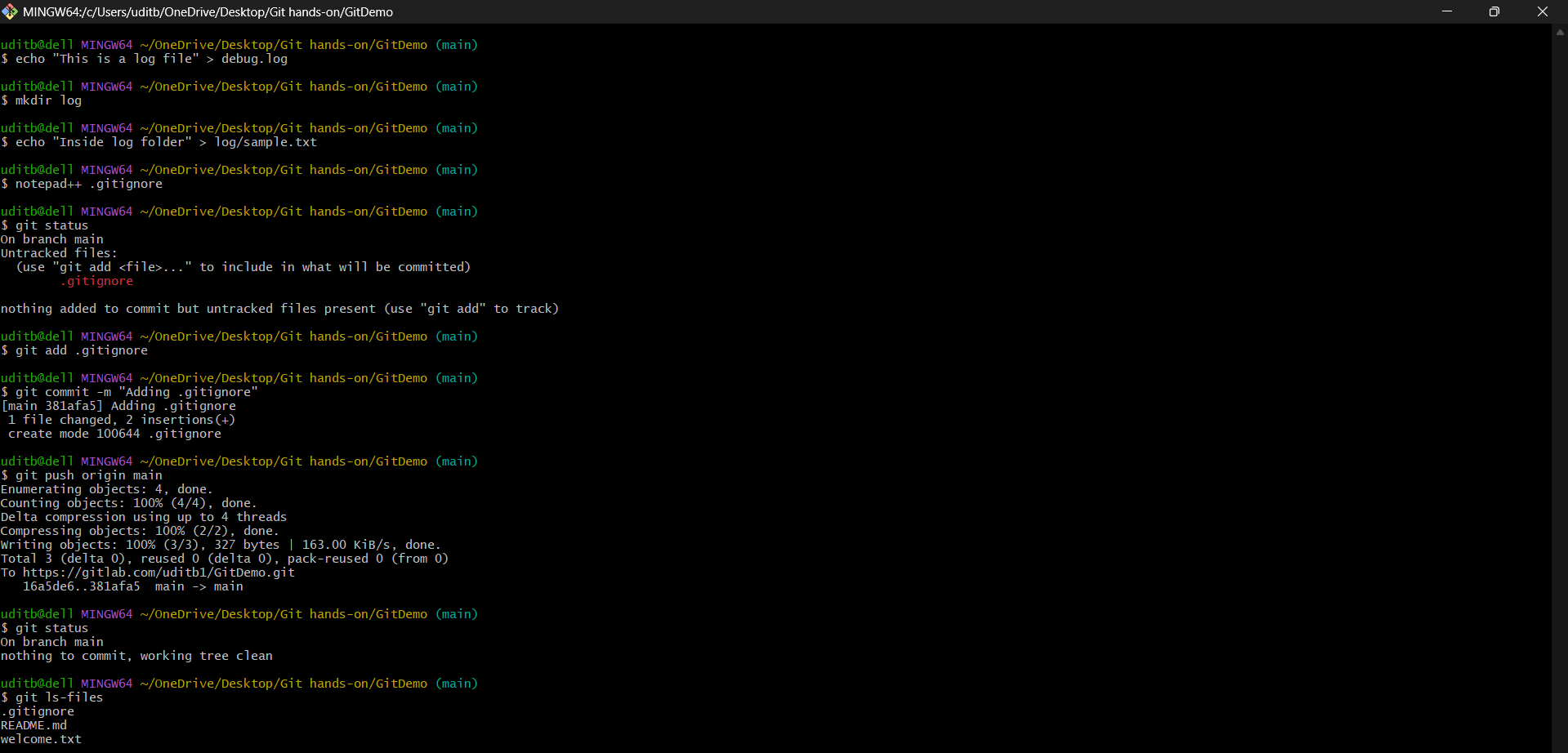
**Objectives**

* Explain git ignore
* Explain how to ignore unwanted files using git ignore

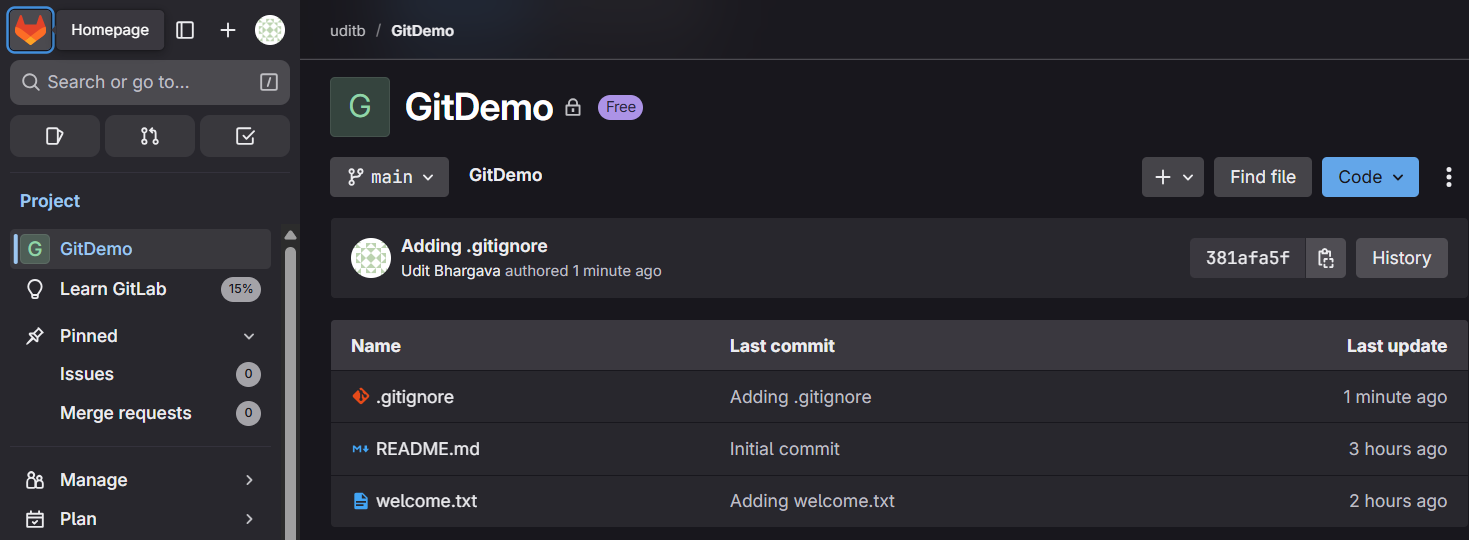
In this hands-on lab, you will learn how to:

* Implement git ignore command to ignore unwanted files and folders

**GIT Bash :**



**Output :**



**Exercise 3 :**

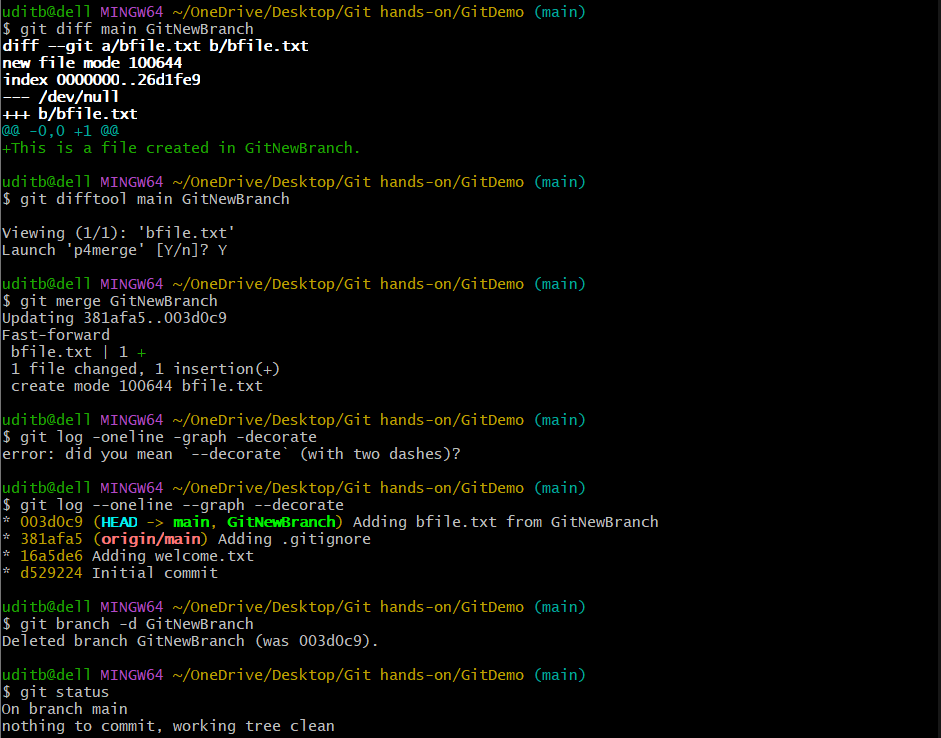
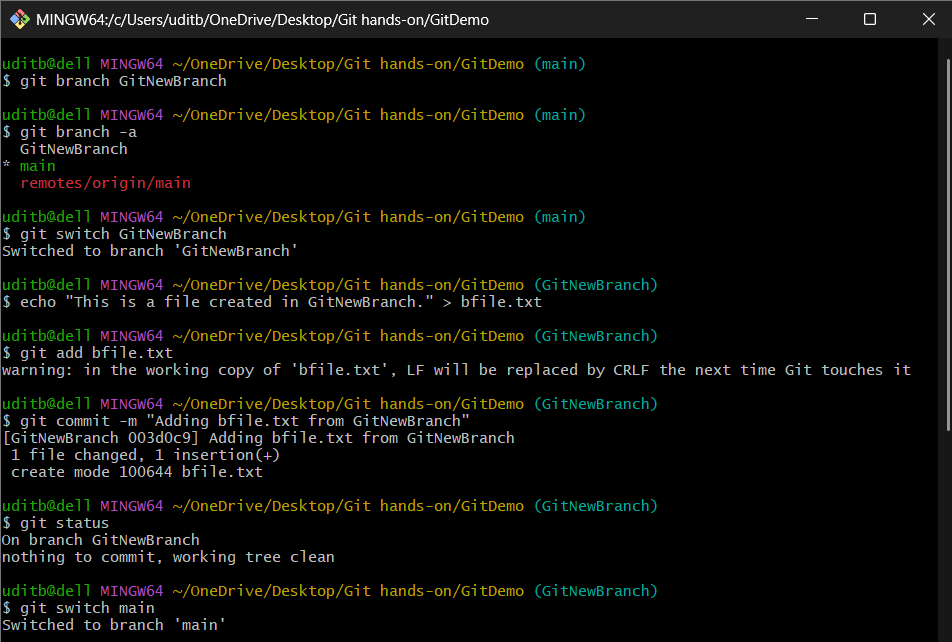
**Objectives**

* Explain branching and merging
* Explain about creating a branch request in GitLab
* Explain about creating a merge request in GitLab

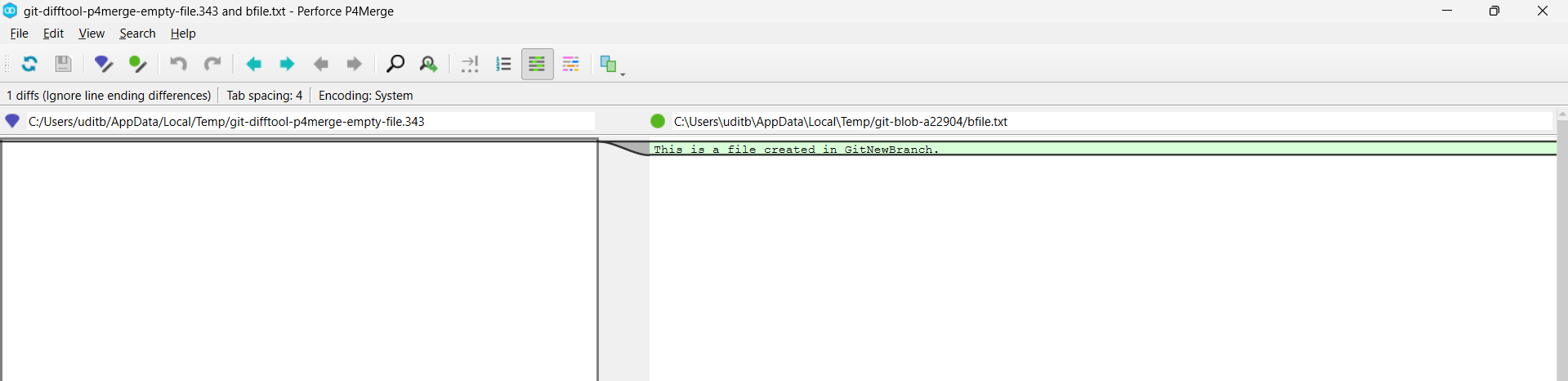
In this hands-on lab, you will learn how to:

* Construct a branch, do some changes in the branch, and merge it with master (or trunk)

**GIT Bash :**



**Output :**



**Exercise 4 :**

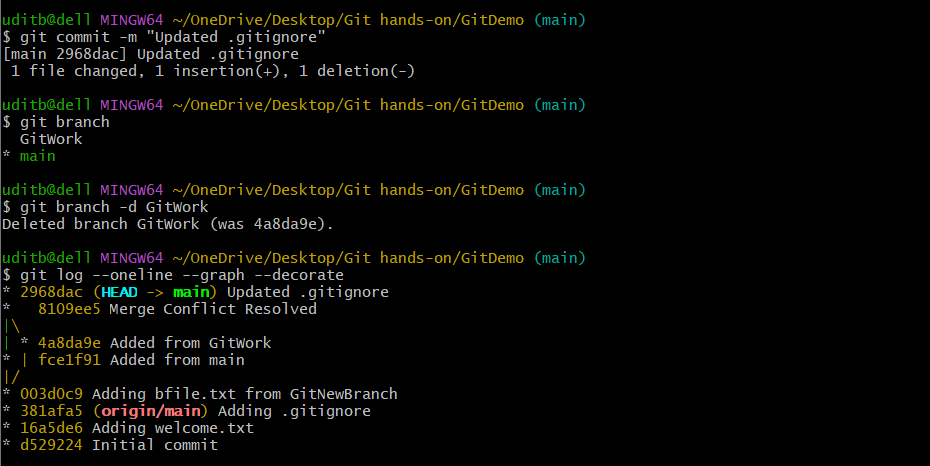
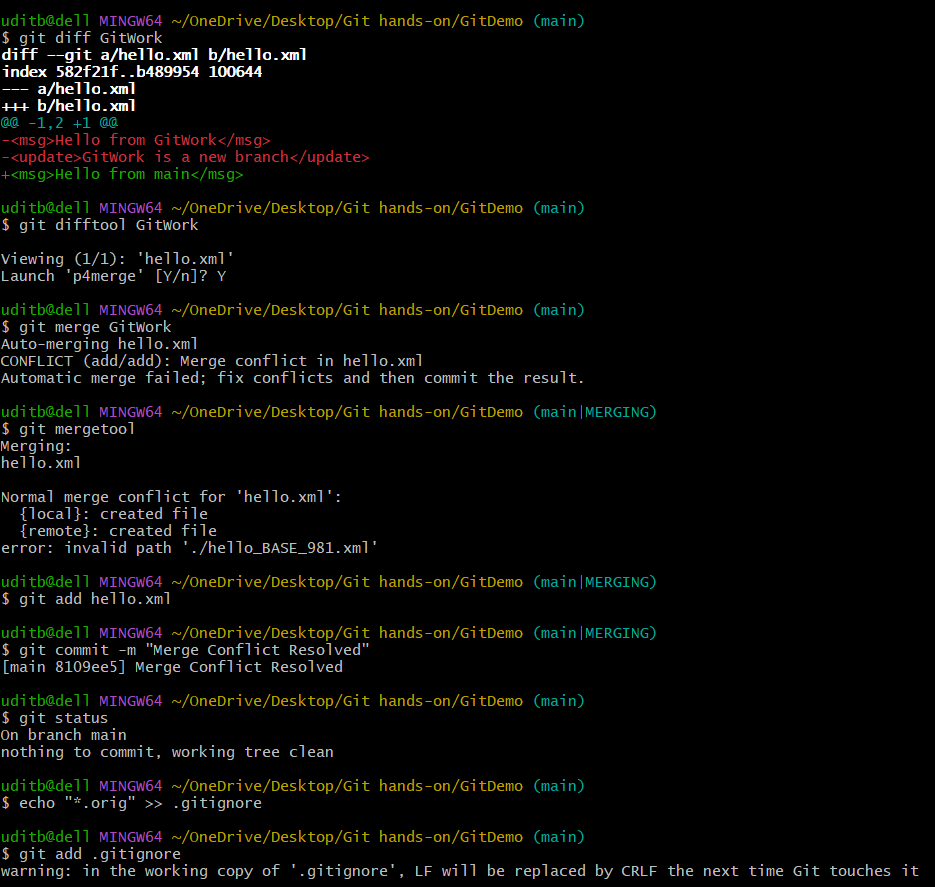
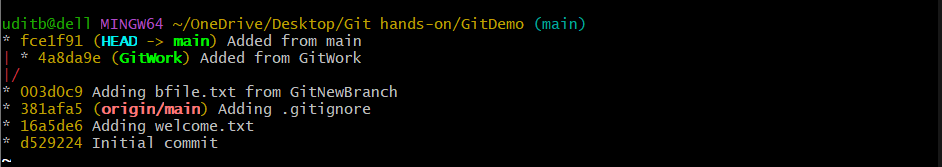
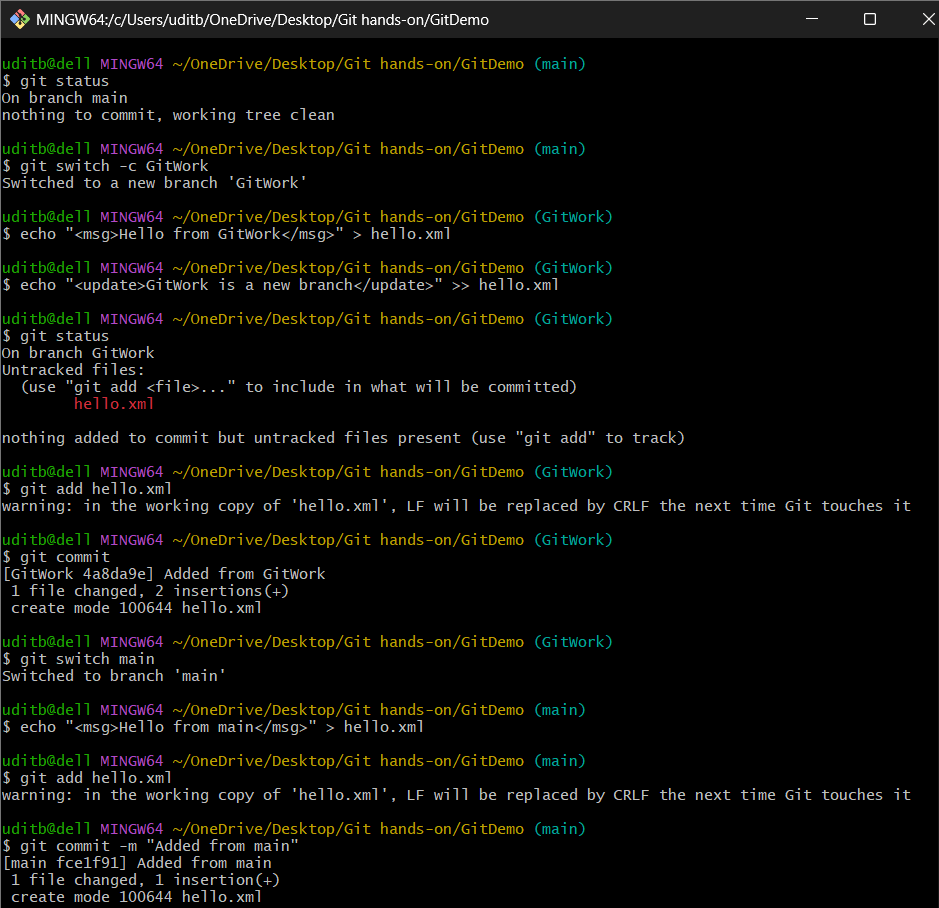
**Objectives**

* Explain how to resolve the conflict during merge.

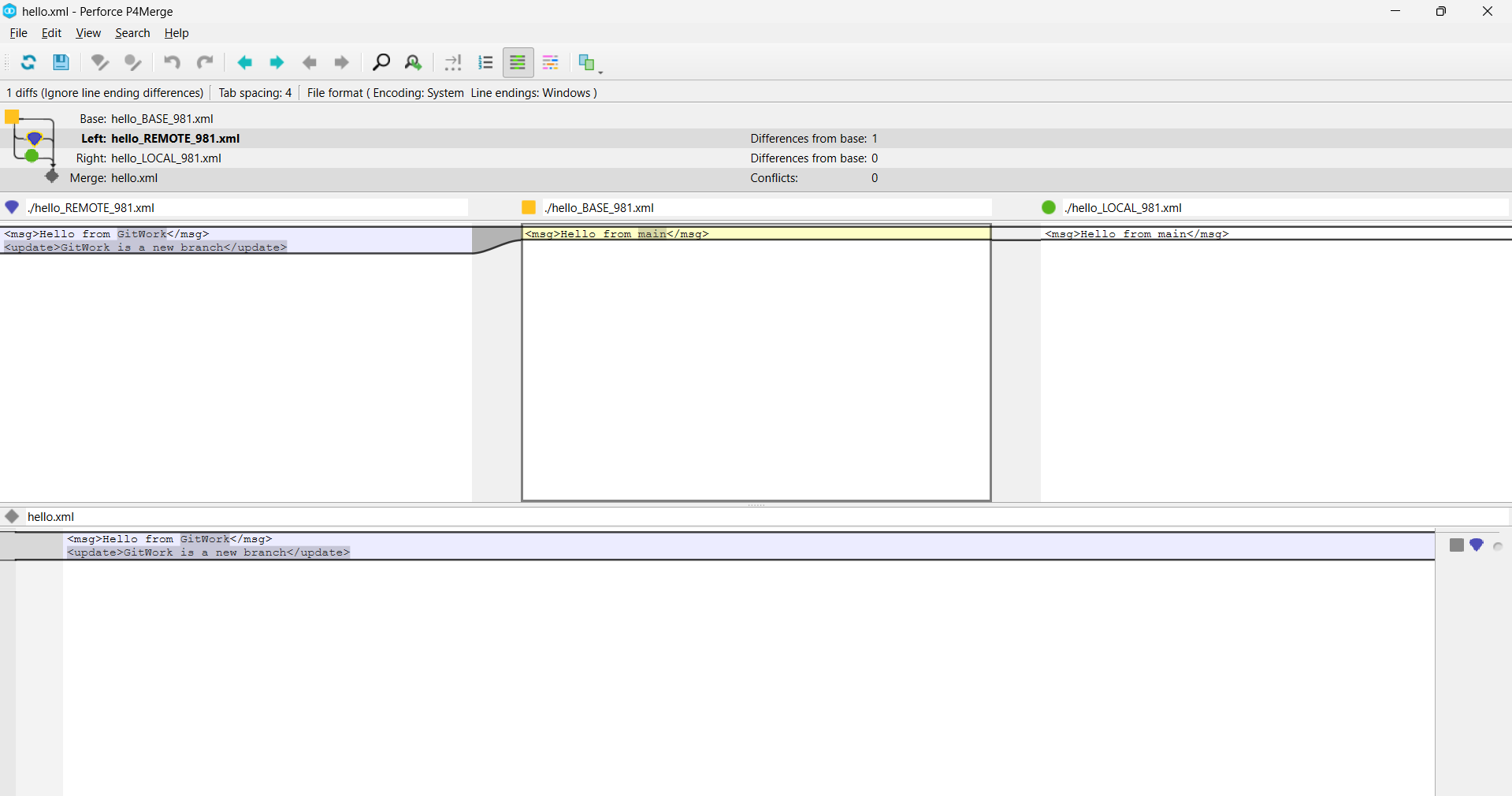
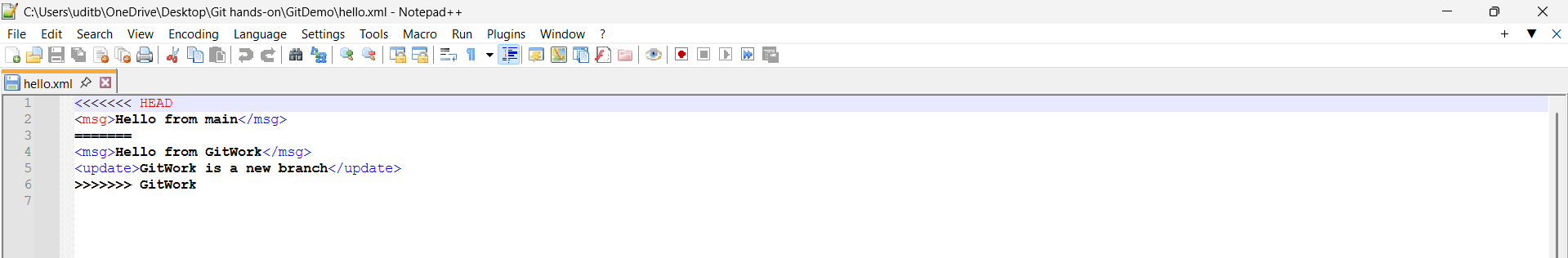
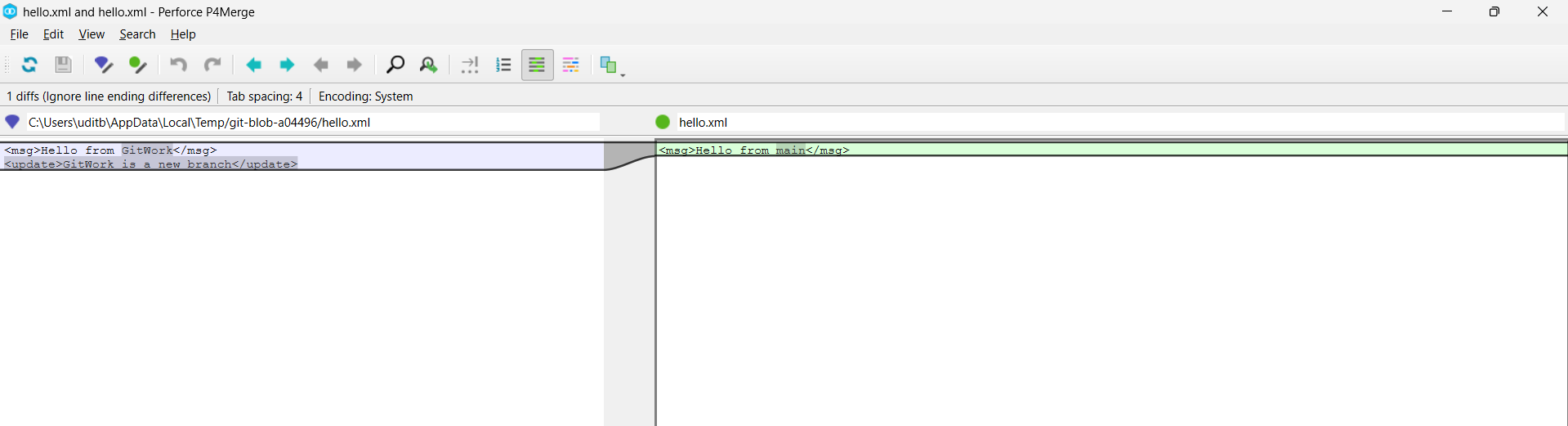
In this hands-on lab, you will learn how to:

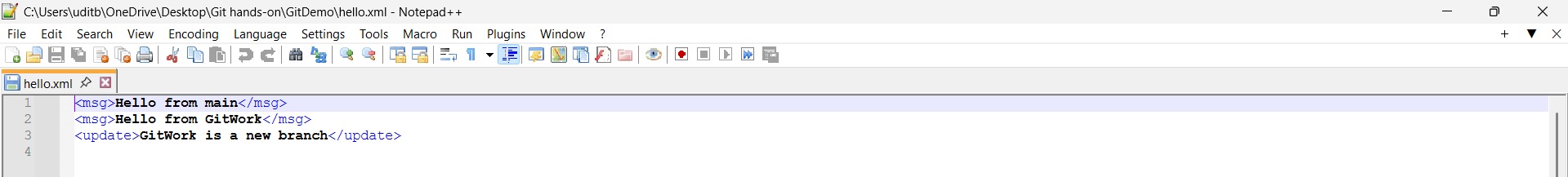
* Implement conflict resolution when multiple users are updating the trunk (or master) in such a way that it results into a conflict with the branch’s modification.

**GIT Bash :**



**Output :**



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**Exercise 5 :**

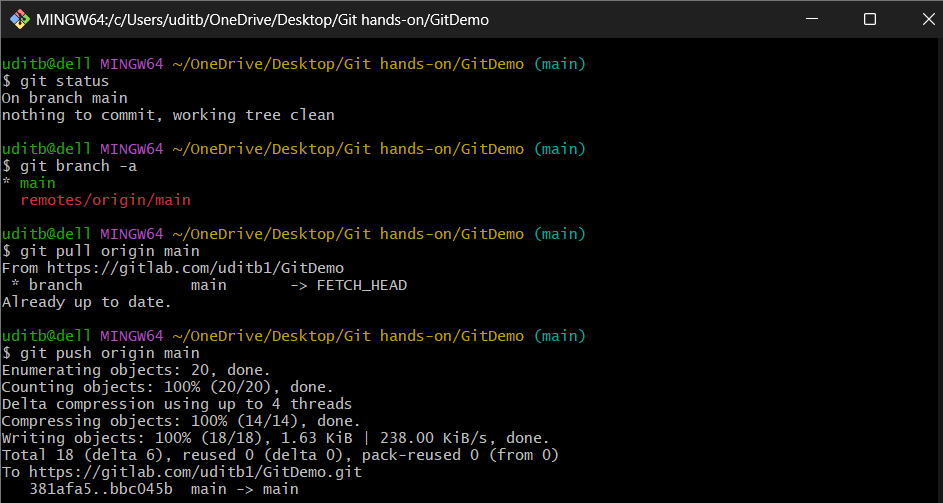
**Objectives**

* Explain how to clean up and push back to remote Git

In this hands-on lab, you will learn how to:

* Execute steps involving clean up and push back to remote Git.

**GIT Bash :**



**Output :**

