**Topic: GIT-HOL**

1. **GIT-HOL**

**Objectives**

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

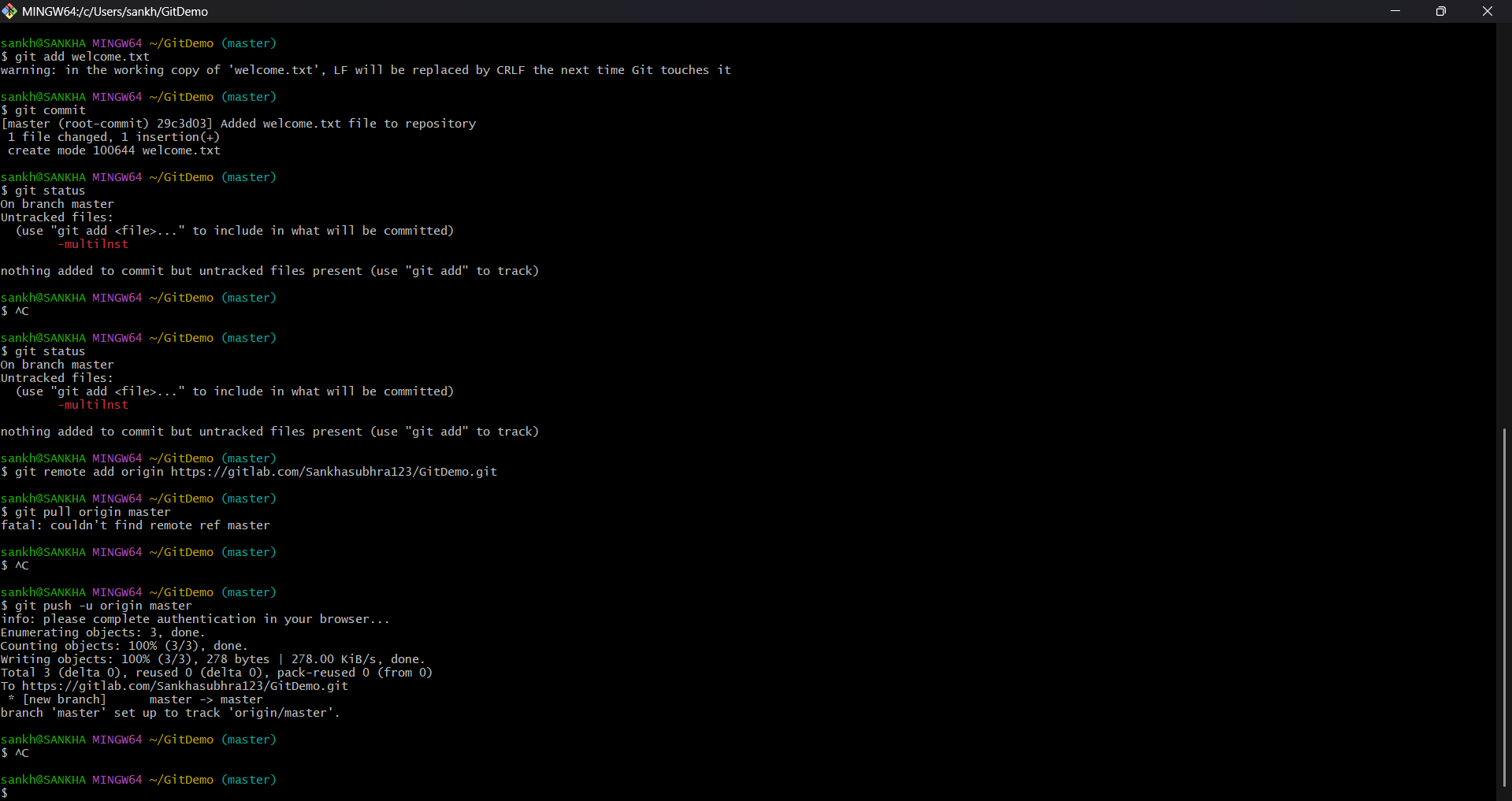
In this hands-on lab, you will learn how to

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

**SOLUTION:**

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1. **GIT-HOL**

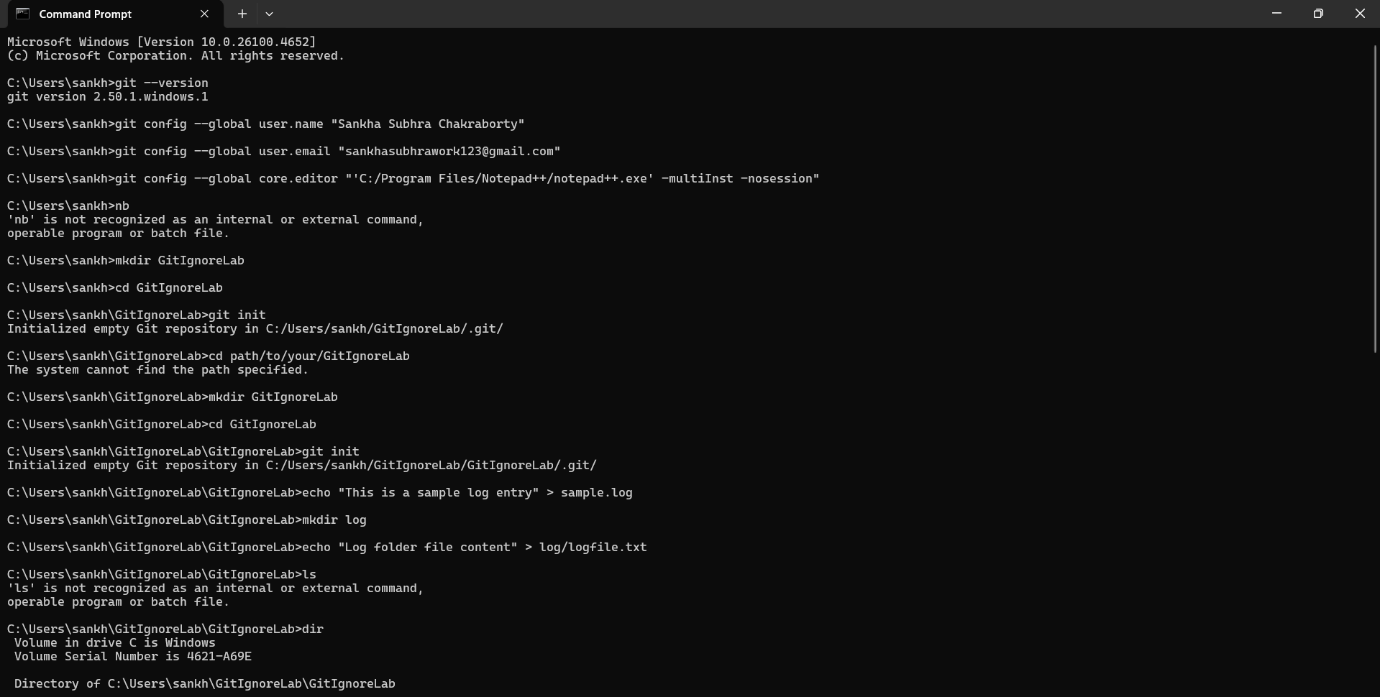
**Objectives**

* 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

**SOLUTION:**

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1. **GIT-HOL**

**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)

**SOLUTION:**

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1. **GIT-HOL**

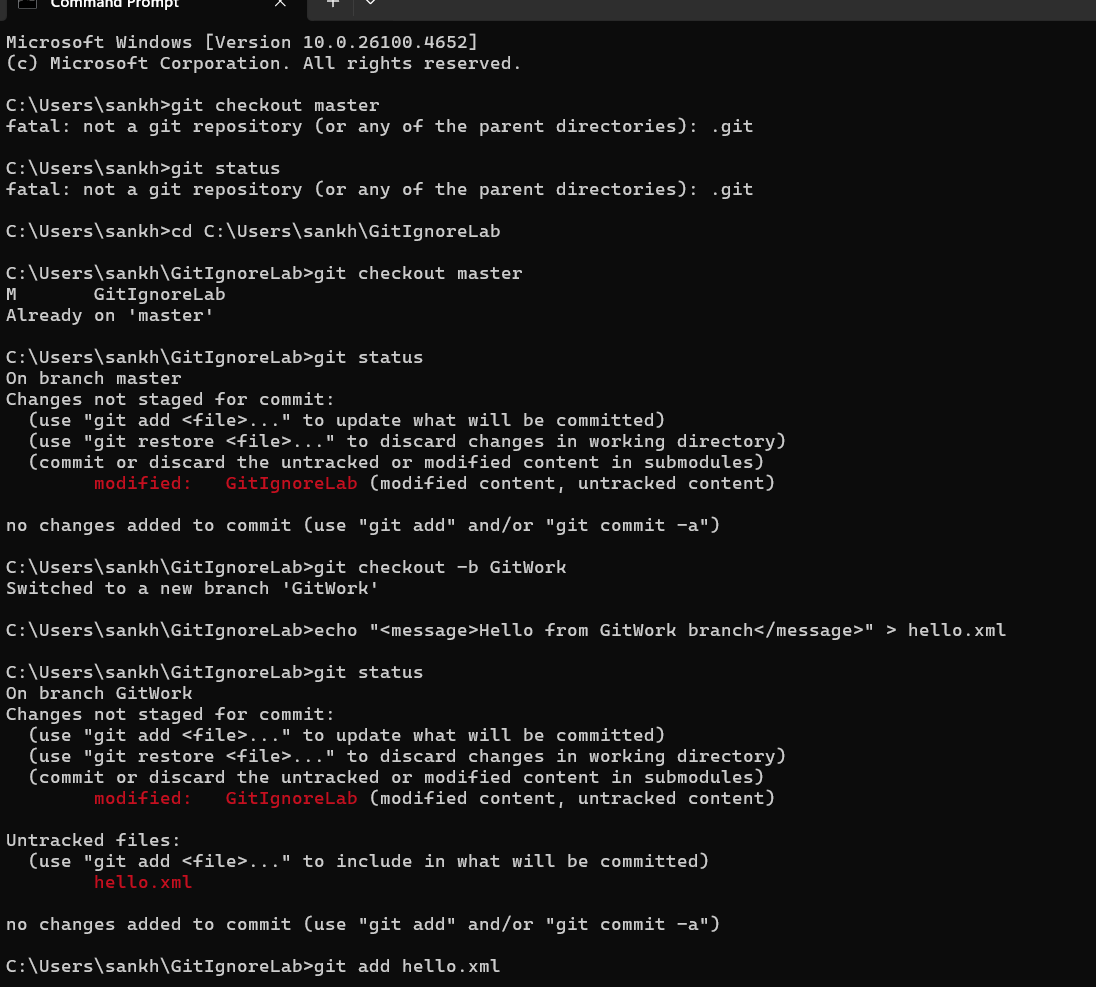
**Objectives**

* 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.

**SOLUTION:**

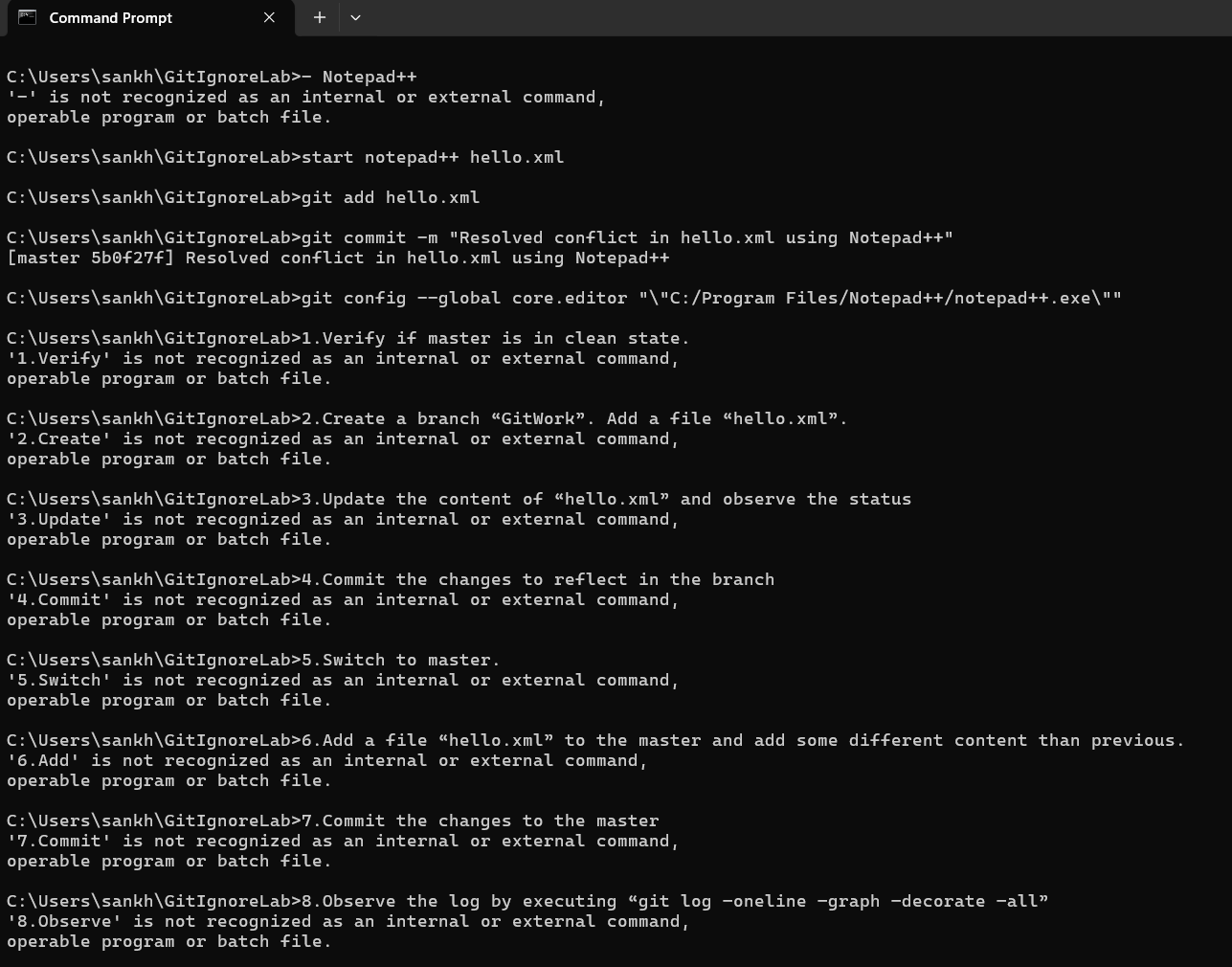
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1. **GIT-HOL**

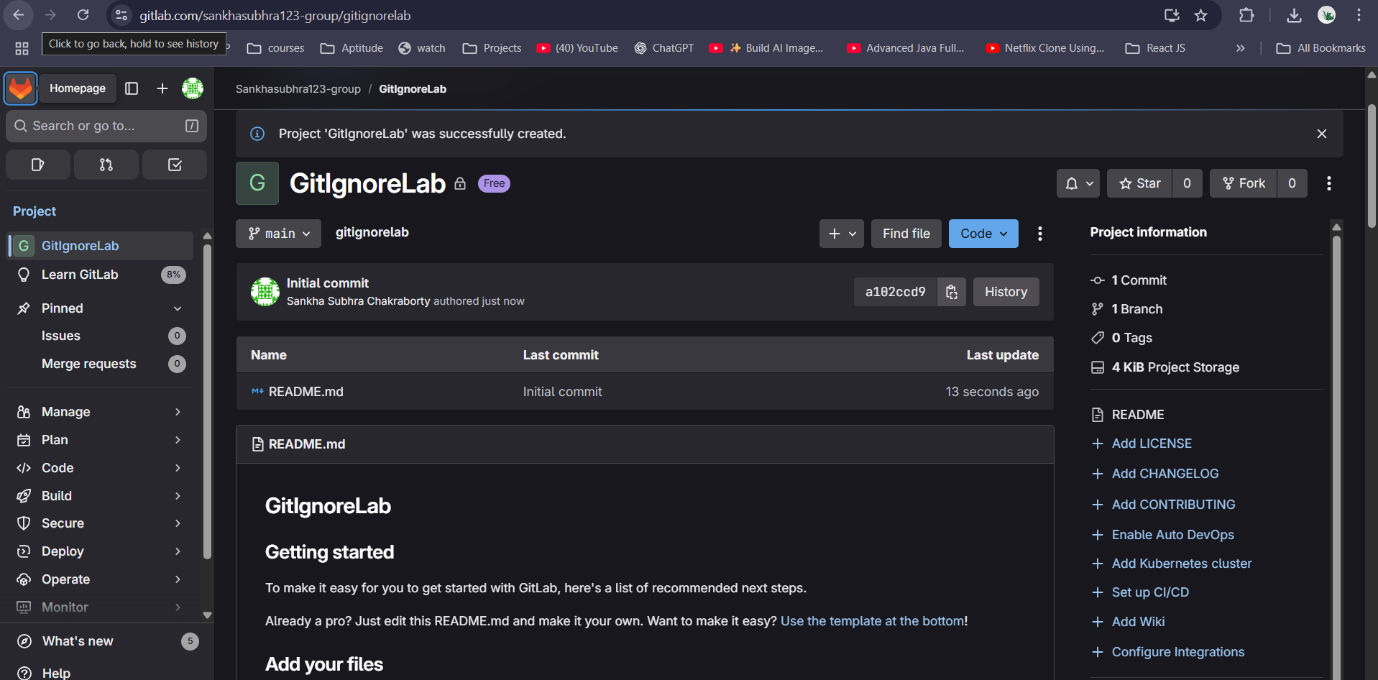
**Objectives**

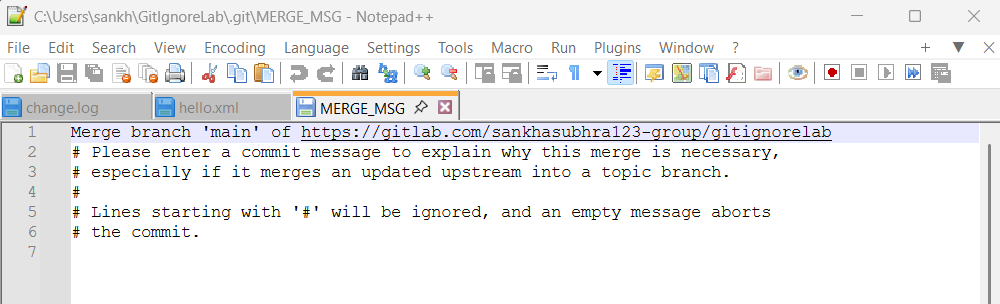
* Explain how to clean up and push back to remote Git

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

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

**SOLUTION:**





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