**5. Syncing Local and Remote Repository in Git**

**Objective:**

The objective of this task is to verify the current branch status, synchronize changes between the local master branch and the remote repository, and ensure pending changes from a specific branch are pushed and reflected remotely.

Steps to Perform:

**1. Verify if master is in a clean state**

>> git status

* Output should show **"working tree clean"** if there are no uncommitted changes.

**2. List out all available branches**

>> git branch -a

* Shows both **local** and **remote** branches.
* \* denotes the currently active branch.

**3. Pull the remote Git repository to the master**

>> git pull origin master

* This updates the local master branch with the latest changes from the remote.

**4. Push pending changes from Git-T03-HOL\_002 to the remote repository**

>> git checkout Git-T03-HOL\_002

>> git push origin Git-T03-HOL\_002

**5. Verify the changes that are reflected in the remote repository.**

* Check out the remote repository on GitLab/GitHub through the web interface.
* Confirm the recent commit/commits appear in the repository’s commit history.