## **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.

## **Prerequisites**

The following are the pre-requisites to complete this hands-on lab:

* Hands-on ID: **“Git-T03-HOL\_002”**

Notes\*:

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| --- |
| Please follow the below steps for creating a free account in GitHub.  Do not use cognizant credentials to login to GitHub. |

Estimated time to complete this lab: **10 minutes.**

Please follow the instructions to complete the hands-on. Each instruction expects a command for the Git Bash.

1. Verify if master is in clean state.
2. List out all the available branches.
3. Pull the remote git repository to the master
4. Push the changes, which are pending from **“Git-T03-HOL\_002”** to the remote repository.
5. Observe if the changes are reflected in the remote repository.

**Program:**

GITHUB\_URL="https://github.com/Kavya19112004/Git-HOL4.git"

REPO\_NAME="Git-HOL4"

if [ ! -d "$REPO\_NAME/.git" ]; then

echo "📥 Cloning repository from GitHub..."

git clone "$GITHUB\_URL"

fi

cd "$REPO\_NAME" || { echo " Cannot enter repo folder"; exit 1; }

echo " Checking master branch status..."

git checkout master

git status

echo " Listing all branches..."

git branch -a

echo " Pulling latest master from remote..."

git pull origin master

echo " Switching to Git-T03-HOL\_002 branch and making a change..."

git checkout Git-T03-HOL\_002

echo "Update on $(date)" >> hol.txt

git add hol.txt

git commit -m "Pushing pending changes from Git-T03-HOL\_002 on $(date)"

git push origin Git-T03-HOL\_002

echo " Merging Git-T03-HOL\_002 into master..."

git checkout master

git merge Git-T03-HOL\_002

echo " Pushing master branch to remote..."

git push origin master

echo " Git HOL completed successfully!"

**Output:**







