## **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”**

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.

Observe if the changes are reflected in the remote repository.

rajas@LAPTOP-N2GE05EJ MINGW64 ~/GitConflictDemo (master)

$ git checkout master

Already on 'master'

M hello.xml

Your branch is up to date with 'origin/master'.

rajas@LAPTOP-N2GE05EJ MINGW64 ~/GitConflictDemo (master)

$ git status

On branch master

Your branch is up to date with 'origin/master'.

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: hello.xml

no changes added to commit (use "git add" and/or "git commit -a")

rajas@LAPTOP-N2GE05EJ MINGW64 ~/GitConflictDemo (master)

$ git branch

\* master

rajas@LAPTOP-N2GE05EJ MINGW64 ~/GitConflictDemo (master)

$ git branch -a

\* master

remotes/origin/master

rajas@LAPTOP-N2GE05EJ MINGW64 ~/GitConflictDemo (master)

$ git pull origin master

warning: redirecting to https://gitlab.com/rajagontu2005-group/gitdemo.git/

From https://gitlab.com/rajagontu2005-group/gitdemo

\* branch master -> FETCH\_HEAD

Already up to date.

rajas@LAPTOP-N2GE05EJ MINGW64 ~/GitConflictDemo (master)

$ git checkout master

Already on 'master'

M hello.xml

Your branch is up to date with 'origin/master'.

rajas@LAPTOP-N2GE05EJ MINGW64 ~/GitConflictDemo (master)

$ git push origin master

warning: redirecting to https://gitlab.com/rajagontu2005-group/gitdemo.git/

Everything up-to-date

rajas@LAPTOP-N2GE05EJ MINGW64 ~/GitConflictDemo (master)

$ git checkout master

Already on 'master'

M hello.xml

Your branch is up to date with 'origin/master'.

rajas@LAPTOP-N2GE05EJ MINGW64 ~/GitConflictDemo (master)

$ git fetch origin

warning: redirecting to https://gitlab.com/rajagontu2005-group/gitdemo.git/

remote: Enumerating objects: 12, done.

remote: Counting objects: 100% (12/12), done.

remote: Compressing objects: 100% (6/6), done.

remote: Total 12 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

Unpacking objects: 100% (12/12), 1.05 KiB | 28.00 KiB/s, done.

From https://gitlab.com/rajagontu2005-group/gitdemo

\* [new branch] main -> origin/main

rajas@LAPTOP-N2GE05EJ MINGW64 ~/GitConflictDemo (master)

$ git log origin/master --oneline

fd9d1b1 (HEAD -> master, origin/master) Ignore merge backup files

4b53996 Resolve merge conflict in hello.xml

0d64a31 Add hello.xml in main branch

bbb5da7 Add hello.xml in GitWork branch

6cc8d61 Initial commit