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.

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.

Output:

```
MINGW64:/c/Users/HOME

$ git branch -a
  GitNewBranch
* master
  remotes/origin/main

HOME@DESKTOP-737UVF1 MINGW64 ~ (master)
$ git fetch origin
git checkout -t origin/Git-T03-HOL_002
Auto packing the repository in background for optimum performance.
See "git help gc" for manual housekeeping.
Nothing new to pack.
Checking connectivity: 16475, done.
warning: There are too many unreachable loose objects; run 'git prune' to remove
 them.
fatal: 'origin/Git-T03-HOL_002' is not a commit and a branch 'Git-T03-HOL_002' c
annot be created from it

HOME@DESKTOP-737UVF1 MINGW64 ~ (master)
$ git checkout master
Already on 'master'

HOME@DESKTOP-737UVF1 MINGW64 ~ (master)
$ git checkout -b Git-T03-HOL_002
Switched to a new branch 'Git-T03-HOL_002'

HOME@DESKTOP-737UVF1 MINGW64 ~ (Git-T03-HOL_002)
$ git checkout Git-T03-HOL_002
git push origin Git-T03-HOL_002
Already on 'Git-T03-HOL_002'
Enumerating objects: 15, done.
Counting objects: 100% (15/15), done.
Delta compression using up to 4 threads
Compressing objects: 100% (11/11), done.
writing objects: 100% (14/14), 1.53 KiB | 520.00 KiB/s, done.
Total 14 (delta 2), reused 12 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), done.
remote:
remote: Create a pull request for 'Git-T03-HOL_002' on GitHub by visiting:
remote:      https://github.com/Sanjana-jambu/calculator/pull/new/Git-T03-HOL_00
2
remote:
To https://github.com/Sanjana-jambu/calculator.git
 * [new branch]      Git-T03-HOL_002 -> Git-T03-HOL_002

HOME@DESKTOP-737UVF1 MINGW64 ~ (Git-T03-HOL_002)
$ git push -u origin Git-T03-HOL_002
Everything up-to-date
branch 'Git-T03-HOL_002' set up to track 'origin/Git-T03-HOL_002'.
```