

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
blogapp/
bloggerapp/
cohorttracker/
cricketapp/
eclipse-workspace/
eventexamplesapp/
myfirstreact/
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini
officespacereentalapp/
scorecalculatorapp/
studentapp/
ticketbookingapp/

nothing added to commit but untracked files present (use "git add" to track)
HOMEDESKTOP-737UVF1 MINGW64 ~ (master)
$ git branch
* GitNewBranch
  master

HOMEDESKTOP-737UVF1 MINGW64 ~ (master)
$ git branch -r
origin/main

HOMEDESKTOP-737UVF1 MINGW64 ~ (master)
$ git branch -a
* GitNewBranch
  master
remotes/origin/main

HOMEDESKTOP-737UVF1 MINGW64 ~ (master)
$ git pull origin master
fatal: couldn't find remote ref master

HOMEDESKTOP-737UVF1 MINGW64 ~ (master)
$ git pull origin main
From https://github.com:Sanjana-jambu/calculator
  + branch    main       -> FETCH_HEAD
Auto packing the repository in background for optimum performance.
See "git help gc" for manual housekeeping.
Removing duplicate objects: 100% (256/256), done.
Nothing new to pack.
Checking connectivity: 16475, done.
warning: There are too many unreachable loose objects; run 'git prune' to remove
them.
Already up to date.
```

```
MINGW64/c/Users/HOME
HOMEDESKTOP-737UVF1 MINGW64 ~ (master)
$ git checkout master
git status
Already on 'master'
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .bash_history
    .gitconfig
    .lessht
    .viminfo
    AppData/
    Downloads/
    GitDemo/
    IntelGraphicsProfiles/
    Music/
    NTUSER.DAT
    NTUSER.DAT[53b39e88-18c4-11ea-a811-000d3aa4692b].TM.blf
    NTUSER.DAT[53b39e88-18c4-11ea-a811-000d3aa4692b].TM.Container000000000000
00000001.regtrans-ms
    NTUSER.DAT[53b39e88-18c4-11ea-a811-000d3aa4692b].TM.Container000000000000
00000002.regtrans-ms
    OneDrive/
    blogapp/
    bloggerapp/
    cohorttracker/
    cricketapp/
    eclipse-workspace/
    eventexamplesapp/
    myfirstreact/
    ntuser.dat.LOG1
    ntuser.dat.LOG2
    ntuser.ini
    officespacereentalapp/
    scorecalculatorapp/
    studentapp/
    ticketbookingapp/

nothing added to commit but untracked files present (use "git add" to track)
HOMEDESKTOP-737UVF1 MINGW64 ~ (master)
$ git branch
* GitNewBranch
  master

HOMEDESKTOP-737UVF1 MINGW64 ~ (master)
$ git branch -r
origin/main
```

MINGW64/c/Users/HOME

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

HOMERDESKTOP-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

HOMERDESKTOP-737UVF1 MINGW64 - (master)
$ git checkout master
Already on 'master'

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

HOMERDESKTOP-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

HOMERDESKTOP-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'.
```

