

## 5. Git-HOL

Steps to be followed:

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.

```
MINGW64:/e/Coding/Week 8/GitDemo

thiru@HackSparrow MINGW64 /e/Coding/Week 8/GitDemo (main)
$ git checkout main
Already on 'main'
Your branch is ahead of 'origin/main' by 6 commits.
(use "git push" to publish your local commits)

thiru@HackSparrow MINGW64 /e/Coding/Week 8/GitDemo (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 6 commits.
(use "git push" to publish your local commits)

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        hello.xml.orig

nothing added to commit but untracked files present (use "git add" to track)

thiru@HackSparrow MINGW64 /e/Coding/Week 8/GitDemo (main)
$ git branch -a
* main
  remotes/origin/main

thiru@HackSparrow MINGW64 /e/Coding/Week 8/GitDemo (main)
$ git pull origin main
From https://gitlab.com/thirumanirathish-group/gitdemo
 * branch                main       -> FETCH_HEAD
Already up to date.

thiru@HackSparrow MINGW64 /e/Coding/Week 8/GitDemo (main)
$ git add .

thiru@HackSparrow MINGW64 /e/Coding/Week 8/GitDemo (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 6 commits.
(use "git push" to publish your local commits)

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   hello.xml.orig

thiru@HackSparrow MINGW64 /e/Coding/Week 8/GitDemo (main)
$ git commit -m "The entire repo is added"
[main 9d38012] The entire repo is added
 1 file changed, 5 insertions(+)
 create mode 100644 hello.xml.orig

thiru@HackSparrow MINGW64 /e/Coding/Week 8/GitDemo (main)
$ git push -m origin main
error: unknown switch 'm'
usage: git push [<options>] [<repository> [<refspec>...]]

    -v, --[no-]verbose    be more verbose
    -q, --[no-]quiet      be more quiet
    --[no-]repo <repository>
```

```
thiru@HackSparrow MINGW64 /e/Coding/Week 8/GitDemo (main)
$ git push -u origin main
Enumerating objects: 23, done.
Counting objects: 100% (23/23), done.
Delta compression using up to 20 threads
Compressing objects: 100% (16/16), done.
Writing objects: 100% (21/21), 1.94 KiB | 248.00 KiB/s, done.
Total 21 (delta 7), reused 0 (delta 0), pack-reused 0 (from 0)
To https://gitlab.com/thirumanirathish-group/gitdemo.git
   4f7334f..9d38012  main -> main
branch 'main' set up to track 'origin/main'.

thiru@HackSparrow MINGW64 /e/Coding/Week 8/GitDemo (main)
$
```

The screenshot shows the GitLab web interface for the repository 'gitdemo'. The left sidebar contains navigation links: Project, Issues, Merge requests, Manage, Plan, Code, Merge requests, Repository (selected), Branches, Commits, and Tags. The main content area displays the repository details, including a message 'The entire repo is added' and a table of commits.

Name	Last commit	Last update
.gitignore	Ignore backup files	8 minutes ago
README.md	Initial commit	59 minutes ago
branchfile.txt	Add branchfile.txt in GitNewBranch	24 minutes ago
hello.xml	Resolve merge conflict between main and GitWork	9 minutes ago
hello.xml.orig	The entire repo is added	1 minute ago
welcome.txt	initial commit: add welcome.txt	2 hours ago