

## 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:/c/Users/ADMIN/GitDemo

ADMIN@DESKTOP-OUB4RGS MINGW64 ~ (master)
$ cd GitDemo

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (main)
$ git checkout main
Already on 'main'
Your branch is ahead of 'origin/main' by 5 commits.
  (use "git push" to publish your local commits)

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 5 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (main)
$ git branch
* main

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (main)
$ git branch -r
origin/main

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (main)
$ git branch -a\
> ^C

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (main)
$ git branch -a
* main
remotes/origin/main

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (main)
$ git checkout main
Already on 'main'
Your branch is ahead of 'origin/main' by 5 commits.
  (use "git push" to publish your local commits)

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (main)
$ git pull origin main
From https://gitlab.com/kasthuriram116-group/gitdemo
* branch          main          -> FETCH_HEAD
Already up to date.
```

```
ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (main)
$ git checkout -b Git-T03-HOL_002
Switched to a new branch 'Git-T03-HOL_002'

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ git push -u origin Git-T03-HOL_002
Enumerating objects: 17, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 12 threads
Compressing objects: 100% (13/13), done.
Writing objects: 100% (15/15), 1.56 KiB | 797.00 KiB/s, done.
Total 15 (delta 5), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for Git-T03-HOL_002, visit:
remote:   https://gitlab.com/kasthuriram116-group/gitdemo/-/merge_requests/new?merge_request%5Bsource_branch%5D=Git-T03-HOL_002
remote:
To https://gitlab.com/kasthuriram116-group/gitdemo.git
 * [new branch]      Git-T03-HOL_002 -> Git-T03-HOL_002
branch 'Git-T03-HOL_002' set up to track 'origin/Git-T03-HOL_002'.

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ git fecth origin
git: 'fecth' is not a git command. See 'git --help'.

The most similar command is
    fetch

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ git fetch origin

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ git branch -r | grep Git-T03-HOL_002
origin/Git-T03-HOL_002

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ git log --oneline --decorate origin/Git-T03-HOL_002 -n 10
258d086 (HEAD -> Git-T03-HOL_002, origin/Git-T03-HOL_002, main) Ignore merge backup files (*.orig, *.bak)
06f0058 Resolve merge conflict for hello.xml (merged GitWork into main)
f29db13 Add/modify hello.xml on main (master version) to cause conflict
21be39d Add hello.xml on GitWork (branch version)
66b5f5c Add branchfile.txt in GitNewBranch
bc79df2 (origin/main) Add .gitignore to ignore *.log files and log folder
64b0efa Merge branch 'main' of https://gitlab.com/kasthuriram116-group/gitdemo
4907001 Initial commit
7b4f7fe Initial commit: add welcome.txt

ADMIN@DESKTOP-OUB4RGS MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ git log --oneline --decorate origin/main -n 10
bc79df2 (origin/main) Add .gitignore to ignore *.log files and log folder
64b0efa Merge branch 'main' of https://gitlab.com/kasthuriram116-group/gitdemo
4907001 Initial commit
7b4f7fe Initial commit: add welcome.txt
```

gitlab.com/kasthuriram116-group/gitdemo/-/tree/Git-T03-HOL\_002

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Merge requests0

Repository

Branches

Commits

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kasthuriram116-group / GitDemo / Repository

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👤 You pushed to Git-T03-HOL\_002 3 minutes ago

Create merge request

Git-T03-HOL\_002 gitdemo

📁 gitdemo

+v

Find file

Codev

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🔗 Ignore merge backup files (\*.orig, \*.bak)

Kasthuri Ram authored 12 minutes ago

258d0868🔗History

Name	Last commit	Last update
🔗 .gitignore	Ignore merge backup files (*.orig, *.bak)	12 minutes ago
📄 README.md	Initial commit	1 hour ago
📄 branchfile.txt	Add branchfile.txt in GitNewBranch	44 minutes ago
📄 hello.xml	Resolve merge conflict for hello.xml (merged GitWork i...	14 minutes ago
📄 welcome.txt	Initial commit: add welcome.txt	1 hour ago

📄 README.md