

## 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.

```
C:\Users\USER>cd GitDemo

C:\Users\USER\GitDemo>git checkout main
Already on 'main'
Your branch is up to date with 'origin/main'.

C:\Users\USER\GitDemo>git branch
* main

C:\Users\USER\GitDemo>git branch -r
origin/main
```

```
C:\Users\USER\GitDemo>git branch -a
* main
  remotes/origin/main

C:\Users\USER\GitDemo>git checkout main
Already on 'main'
Your branch is up to date with 'origin/main'.

C:\Users\USER\GitDemo>git pull origin main
From https://gitlab.com/lpetchi2005-group/gitDemo
 * branch          main          -> FETCH_HEAD
Already up to date.

C:\Users\USER\GitDemo>git checkout -b Git-T03_HOL_002
Switched to a new branch 'Git-T03_HOL_002'

C:\Users\USER\GitDemo>git push -u origin 'Git-T03_HOL_002'
error: src refspec 'Git-T03_HOL_002' does not match any
error: failed to push some refs to 'https://gitlab.com/lpetchi2005-group/gitDemo.git'

C:\Users\USER\GitDemo>git push -u origin Git-T03_HOL_002
Total 0 (delta 0), 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/lpetchi2005-group/gitDemo/-/merge_requests/
new?merge_request%5Bsource_branch%5D=Git-T03_HOL_002
remote:
To https://gitlab.com/lpetchi2005-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'.
```

```

C:\Users\USER\GitDemo>git push -u origin Git-T03_HOL_002
Total 0 (delta 0), 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/lpetchi2005-group/gitDemo/-/merge_requests/
new?merge_request%5Bsource_branch%5D=Git-T03_HOL_002
remote:
To https://gitlab.com/lpetchi2005-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'.

C:\Users\USER\GitDemo>git fetch origin

C:\Users\USER\GitDemo>git branch -r | grep Git-T03_HOL_002
'grep' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\USER\GitDemo>git log --oneline --decorate origin/Git-T03_HOL_002 -n 10
cfb318b (HEAD -> Git-T03_HOL_002, origin/main, origin/Git-T03_HOL_002, main) Add .gitignore
08c58d5 Initial commit: add welcome.txt
e605e2d Initial commit

C:\Users\USER\GitDemo>git log --oneline --decorate origin/main -n 10
cfb318b (HEAD -> Git-T03_HOL_002, origin/main, origin/Git-T03_HOL_002, main) Add .gitignore
08c58d5 Initial commit: add welcome.txt
e605e2d Initial commit

```

Git-T03\_HOL\_002

gitDemo

gitDemo

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Find file

Code

Add .gitignore

PETCHIVARADHAN L authored 38 minutes ago

cfb318b9

History

Name	Last commit	Last update
.gitignore	Add .gitignore	38 minutes ago
README.md	Initial commit	55 minutes ago
welcome.txt	Initial commit: add welcome.txt	48 minutes ago