

## Prathamansh Jasrotia(6401411) Git-HOL-5-SOLUTION

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.

```
Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~
$ mkdir git5

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~
$ cd git5

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5
$ git init
Initialized empty Git repository in C:/Users/Prathamansh Jasrotia/git5/.git/

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (master)
$ git remote add origin https://gitlab.com/gitdemo4541432/git5.git

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (master)
$ echo "test log file" >error.log

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (master)
$ mkdir log

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (master)
$ echo "Log inside folder" > log/inside.txt

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (master)
$ notepad++ .gitignore

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (master)
$ git status
On branch master

No commits yet

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

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

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (master)
$ git add .gitignore

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (master)
$ git commit -m "Added .gitignore to ignore logs"
[master (root-commit) e6d7b25] Added .gitignore to ignore logs
1 file changed, 2 insertions(+)
create mode 100644 .gitignore

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (master)
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$ git commit -m "Added .gitignore to ignore logs"
[master (root-commit) e6d7b25] Added .gitignore to ignore logs
1 file changed, 2 insertions(+)
create mode 100644 .gitignore

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (master)
$ git branch -M main

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (main)
$ git push -u origin main
To https://gitlab.com/gitdemo4541432/git5.git
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://gitlab.com/gitdemo4541432/git5.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (main)
$ git pull origin main --rebase
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 2.74 KiB | 311.00 KiB/s, done.
From https://gitlab.com/gitdemo4541432/git5
 * branch          main      -> FETCH_HEAD
 * [new branch]    main      -> origin/main
Successfully rebased and updated refs/heads/main.

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 301 bytes | 150.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://gitlab.com/gitdemo4541432/git5.git
    5e76ef0..0b77553  main -> main
branch 'main' set up to track 'origin/main'.

Prathamansh Jasrotia@DESKTOP-JJJJGNV MINGW64 ~/git5 (main)
$ !
```