**Handson- 5**

**GIT Bash Commands:**

HP@DESKTOP-RD6TT5J MINGW64 ~

$ cd C:/Users/HP/GitDemo

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git --version

git version 2.50.1.windows.1

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git config --global user.name Venkatesh

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git config --global user.email krkumar.venkatesh@gmail.com

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git checkout main

Already on 'main'

Your branch is ahead of 'origin/main' by 11 commits.

(use "git push" to publish your local commits)

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git status --short

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git add .

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git commit -m "Save work before cleaning/pull"

On branch main

Your branch is ahead of 'origin/main' by 11 commits.

(use "git push" to publish your local commits)

nothing to commit, working tree clean

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git reset --hard

HEAD is now at 01b8ffa Ignore merge backup files

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git clean -nd

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git clean -fd

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git branch -a

NewBranch

\* main

remotes/origin/NewBranch

remotes/origin/main

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git fetch origin

remote: Enumerating objects: 5, done.

remote: Counting objects: 100% (5/5), done.

remote: Compressing objects: 100% (2/2), done.

remote: Total 4 (delta 0), reused 1 (delta 0), pack-reused 0 (from 0)

Unpacking objects: 100% (4/4), 1.01 KiB | 103.00 KiB/s, done.

From https://github.com/venky212/GitDemo

2c49024..9782860 main -> origin/main

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git checkout main

Already on 'main'

Your branch and 'origin/main' have diverged,

and have 11 and 1 different commits each, respectively.

(use "git pull" if you want to integrate the remote branch with yours)

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main|MERGING)

$ git commit -m "cleaning"

[main ee7cdd8] cleaning

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git pull origin main

From https://github.com/venky212/GitDemo

\* branch main -> FETCH\_HEAD

Already up to date.

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git fetch origin

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git checkout -b Git-T03-HOL\_002

Switched to a new branch 'Git-T03-HOL\_002'

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git add .

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git commit -m "Complete work for Git-T03-HOL\_002"

On branch Git-T03-HOL\_002

nothing to commit, working tree clean

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git push -u origin Git-T03-HOL\_002

Enumerating objects: 33, done.

Counting objects: 100% (33/33), done.

Delta compression using up to 4 threads

Compressing objects: 100% (23/23), done.

Writing objects: 100% (29/29), 2.75 KiB | 937.00 KiB/s, done.

Total 29 (delta 12), reused 0 (delta 0), pack-reused 0 (from 0)

remote: Resolving deltas: 100% (12/12), done.

remote:

remote: Create a pull request for 'Git-T03-HOL\_002' on GitHub by visiting:

remote: https://github.com/venky212/GitDemo/pull/new/Git-T03-HOL\_002

remote:

To https://github.com/venky212/GitDemo

\* [new branch] Git-T03-HOL\_002 -> Git-T03-HOL\_002

branch 'Git-T03-HOL\_002' set up to track 'origin/Git-T03-HOL\_002'.

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git branch -r | grep Git-T03-HOL\_002

origin/Git-T03-HOL\_002

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git checkout Git-T03-HOL\_002

Already on 'Git-T03-HOL\_002'

Your branch is up to date with 'origin/Git-T03-HOL\_002'.

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git add <file1> <file2>

bash: syntax error near unexpected token `<'

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git add .

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git commit -m "Complete work for Git-T03-HOL\_002"

On branch Git-T03-HOL\_002

Your branch is up to date with 'origin/Git-T03-HOL\_002'.

nothing to commit, working tree clean

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git push -u origin Git-T03-HOL\_002

branch 'Git-T03-HOL\_002' set up to track 'origin/Git-T03-HOL\_002'.

Everything up-to-date

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git branch -r

origin/Git-T03-HOL\_002

origin/HEAD -> origin/main

origin/NewBranch

origin/main

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git fetch origin

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git log --oneline origin/Git-T03-HOL\_002 -n 10

ee7cdd8 (**HEAD** -> **Git-T03-HOL\_002**, **origin/Git-T03-HOL\_002**, **main**) cleaning

01b8ffa Ignore merge backup files

8cb0c1f Resolve merge conflict in hello.xml

e567443 Add hello.xml in master branch with different content

9487504 Update hello.xml in GitWork branch

f3671cb Add hello.xml in GitWork branch

6bab8cf Resolve merge conflict in hello.xml (choose merged content)

dc10a4e Add hello.xml on main with different content

4dd6319 Update hello.xml in GitWork branch

bcd79b7 Add hello.xml on GitWork branch

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git log --oneline origin/Git-T03-HOL\_002..Git-T03-HOL\_002

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (Git-T03-HOL\_002)

$ git checkout main

Switched to branch 'main'

Your branch is ahead of 'origin/main' by 12 commits.

(use "git push" to publish your local commits)

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git pull origin main

From https://github.com/venky212/GitDemo

\* branch main -> FETCH\_HEAD

Already up to date.

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git merge --no-ff Git-T03-HOL\_002

Already up to date.

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git push origin main

Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To https://github.com/venky212/GitDemo

9782860..ee7cdd8 main -> main

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git branch -d Git-T03-HOL\_002

Deleted branch Git-T03-HOL\_002 (was ee7cdd8).

HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

$ git push origin --delete Git-T03-HOL\_002

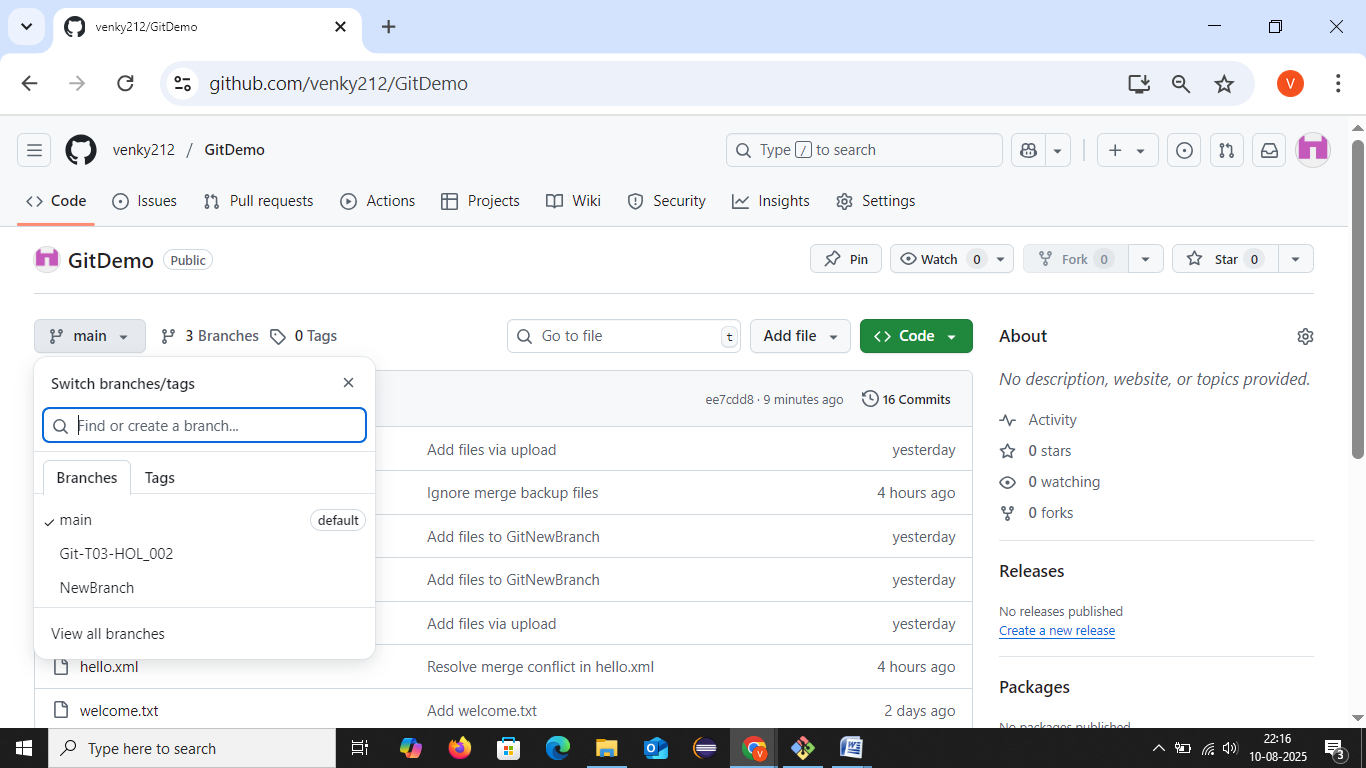
To https://github.com/venky212/GitDemo

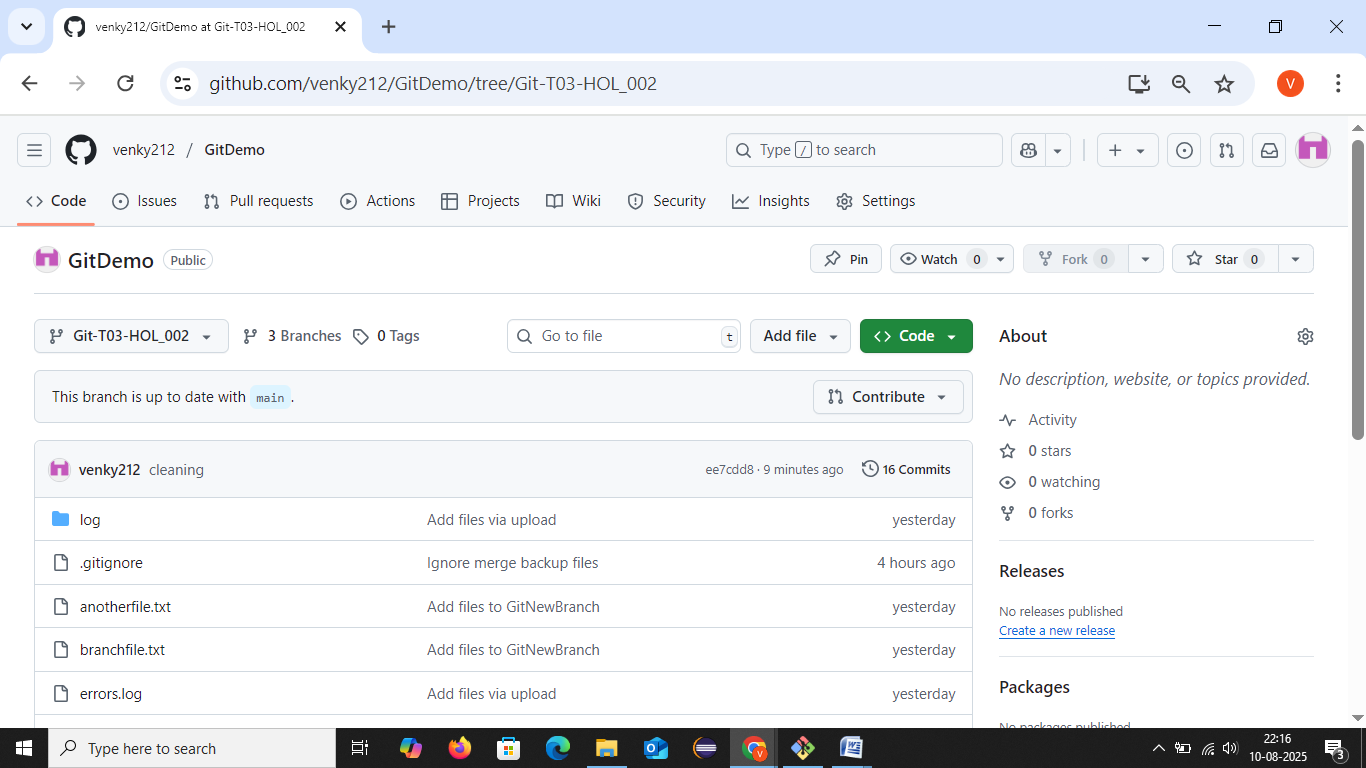
- [deleted] Git-T03-HOL\_002

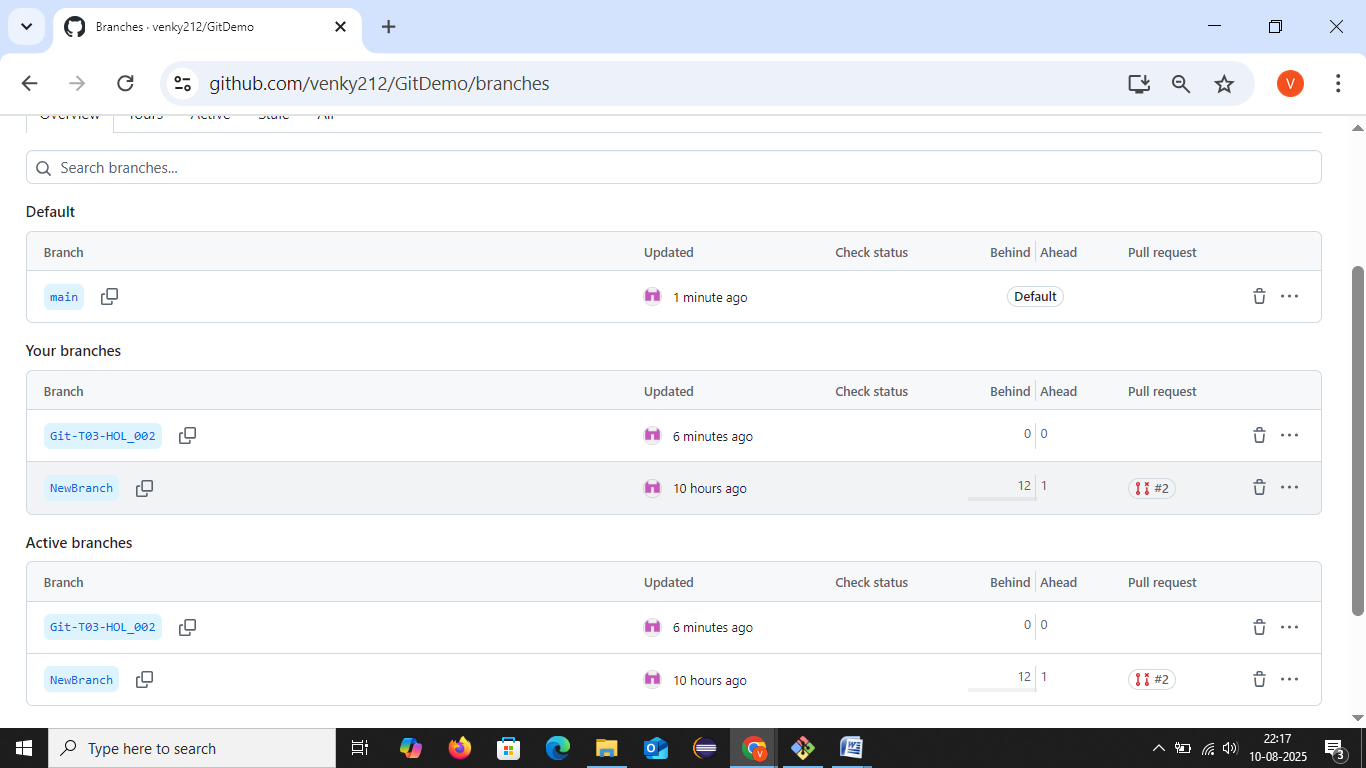
HP@DESKTOP-RD6TT5J MINGW64 ~/GitDemo (main)

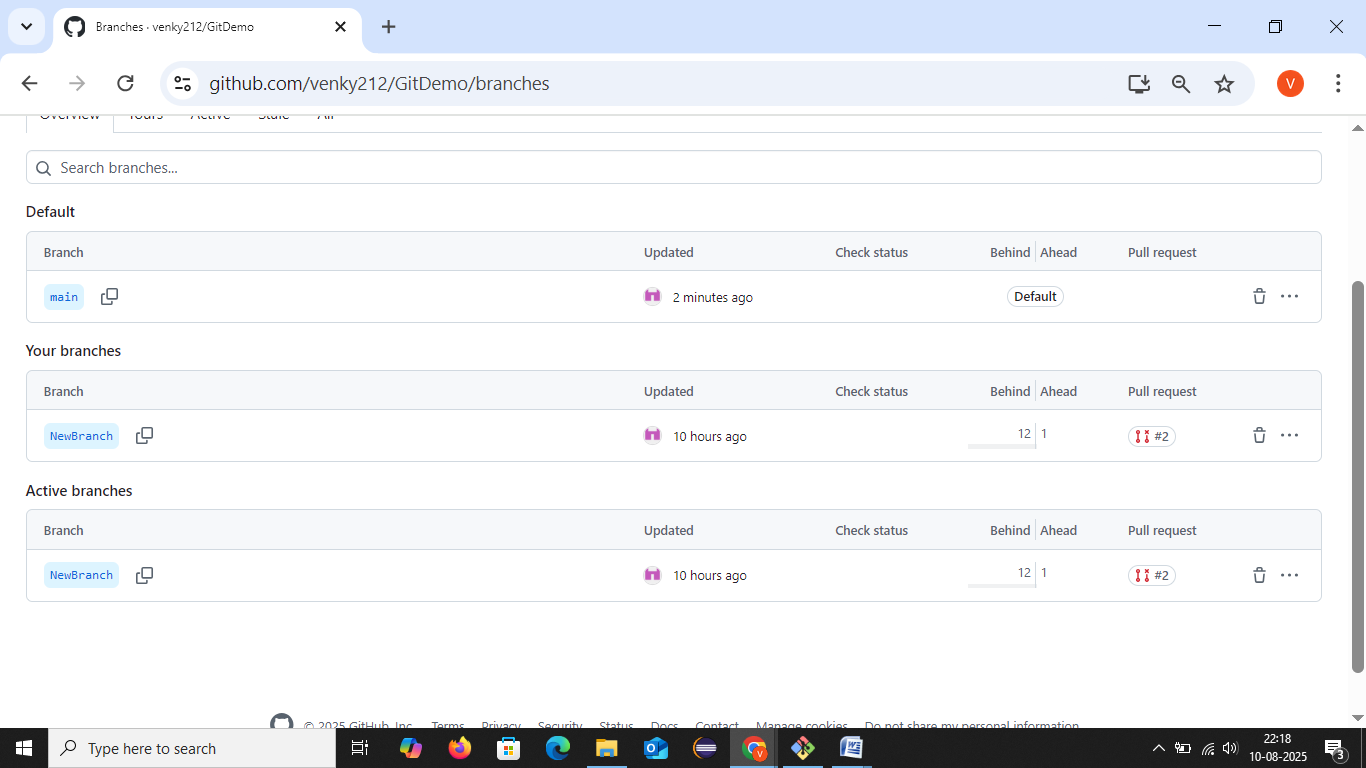
$

**Output:**

****

****

****

****