**WEEK 8 – Git Hands On 3**

**Hands On**

**To Construct a branch, do some changes in the branch, and merge it with master (or trunk)**

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 ~

$ cd /n/desktop/Java\ Deepskilling/hands-on/git/gitdemo

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$ git branch GitNewBranch

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$ git branch

GitNewBranch

\* master

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$ git checkout GitNewBranch

Switched to branch 'GitNewBranch'

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (GitNewBranch)

$ git branch

\* GitNewBranch

master

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (GitNewBranch)

$ echo "This file is in GitNewBranch" > branchfile.txt

git add branchfile.txt

git commit -m "Added branchfile.txt in GitNewBranch"

warning: in the working copy of 'branchfile.txt', LF will be replaced by CRLF the next time Git touches it

[GitNewBranch f91f8d5] Added branchfile.txt in GitNewBranch

1 file changed, 1 insertion(+)

create mode 100644 branchfile.txt

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (GitNewBranch)

$ git push -u origin GitNewBranch

warning: redirecting to https://gitlab.com/narasimha-droid1/gitdemo.git/

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), 374 bytes | 374.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

remote:

remote: To create a merge request for GitNewBranch, visit:

remote: https://gitlab.com/narasimha-droid1/gitdemo/-/merge\_requests/new?merge\_request%5Bsource\_branch%5D=GitNewBranch

remote:

To https://gitlab.com/narasimha-droid1/gitdemo

\* [new branch] GitNewBranch -> GitNewBranch

branch 'GitNewBranch' set up to track 'origin/GitNewBranch'.

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (GitNewBranch)

$ git checkout master

Switched to branch 'master'

Your branch is up to date with 'origin/master'.

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$ git diff master GitNewBranch

diff --git a/branchfile.txt b/branchfile.txt

new file mode 100644

index 0000000..be68bfa

--- /dev/null

+++ b/branchfile.txt

@@ -0,0 +1 @@

+This file is in GitNewBranch

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$ git merge GitNewBranch

Updating c97baac..f91f8d5

Fast-forward

branchfile.txt | 1 +

1 file changed, 1 insertion(+)

create mode 100644 branchfile.txt

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$ git log --oneline --graph --decorate

\* f91f8d5 (HEAD -> master, origin/GitNewBranch, GitNewBranch) Added branchfile.txt in GitNewBranch

\* c97baac (origin/master) Added .gitignore to ignore .log files and log/ folder

\* c8b6baa comitted txt file

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$ git branch -d GitNewBranch

git push origin --delete GitNewBranch

Deleted branch GitNewBranch (was f91f8d5).

warning: redirecting to https://gitlab.com/narasimha-droid1/gitdemo.git/

To https://gitlab.com/narasimha-droid1/gitdemo

- [deleted] GitNewBranch

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$ git status

On branch master

Your branch is ahead of 'origin/master' by 1 commit.

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

nothing to commit, working tree clean

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$

**Output :**



