**Week 8 (6397530-Nayudu Praveen Kumar)**

**GitDemo:**

**Commands:**

nayud@Praveen MINGW64 ~/GitDemo (GitNewBranch)

$ git branch GitNewBranch

fatal: a branch named 'GitNewBranch' already exists

nayud@Praveen MINGW64 ~/GitDemo (GitNewBranch)

$ git branch -a

\* GitNewBranch

main

remotes/origin/main

nayud@Praveen MINGW64 ~/GitDemo (GitNewBranch)

$ git checkout GitNewBranch

Already on 'GitNewBranch'

nayud@Praveen MINGW64 ~/GitDemo (GitNewBranch)

$ echo "This is a test file in GitNewBranch." > testfile.txt

nayud@Praveen MINGW64 ~/GitDemo (GitNewBranch)

$ git add testfile.txt

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

nayud@Praveen MINGW64 ~/GitDemo (GitNewBranch)

$ git commit -m "Added testfile.txt in GitNewBranch"

On branch GitNewBranch

nothing to commit, working tree clean

nayud@Praveen MINGW64 ~/GitDemo (GitNewBranch)

$ git status

On branch GitNewBranch

nothing to commit, working tree clean

nayud@Praveen MINGW64 ~/GitDemo (GitNewBranch)

$ git checkout main

Switched to branch 'main'

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

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

nayud@Praveen MINGW64 ~/GitDemo (main)

$ git diff main..GitNewBranch

**diff --git a/testfile.txt b/testfile.txt**

**new file mode 100644**

**index 0000000..f401ec8**

**--- /dev/null**

**+++ b/testfile.txt**

@@ -0,0 +1 @@

+This is a test file in GitNewBranch.

nayud@Praveen MINGW64 ~/GitDemo (main)

$ git difftool main GitNewBranch

This message is displayed because 'diff.tool' is not configured.

See 'git difftool --tool-help' or 'git help config' for more details.

'git difftool' will now attempt to use one of the following tools:

opendiff kdiff3 tkdiff xxdiff meld kompare gvimdiff diffuse diffmerge ecmerge p4merge araxis bc codecompare smerge emerge vimdiff nvimdiff

Viewing (1/1): 'testfile.txt'

Launch 'vimdiff' [Y/n]? n

nayud@Praveen MINGW64 ~/GitDemo (main)

$ git merge GitNewBranch

Updating 0aa70f0..4b839c7

Fast-forward

testfile.txt | 1 +

1 file changed, 1 insertion(+)

create mode 100644 testfile.txt

nayud@Praveen MINGW64 ~/GitDemo (main)

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

\* 4b839c7 (**HEAD** -> **main**, **GitNewBranch**) Added testfile.txt in GitNewBranch

\* 0aa70f0 Add .gitignore to ignore .log files and log folder

\* 476a09a (**origin/main**) Initial commit with welcome.txt

nayud@Praveen MINGW64 ~/GitDemo (main)

$ git branch -d GitNewBranch

Deleted branch GitNewBranch (was 4b839c7).

nayud@Praveen MINGW64 ~/GitDemo (main)

$ git status

On branch main

Your branch is ahead of 'origin/main' by 2 commits.

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

nothing to commit, working tree clean

**Outputs:**

