**GIT Hands On 3**

**Step 1:**

Create a new branch

Alice Franny@DESKTOP-D0OM5S0 MINGW64 ~/GitDemo (main)

$ git branch GitNewBranch

Alice Franny@DESKTOP-D0OM5S0 MINGW64 ~/GitDemo (main)

$ git branch -a

GitNewBranch

\* main

**Step 2:**

Navigate to the branch as such

Alice Franny@DESKTOP-D0OM5S0 MINGW64 ~/GitDemo (main)

$ git checkout GitNewBranch

Switched to branch 'GitNewBranch'

**Step 3:**

Add some files into the branch

Alice Franny@DESKTOP-D0OM5S0 MINGW64 ~/GitDemo (GitNewBranch)

$ echo "This file is from new Branch" > branchfile.txt

Alice Franny@DESKTOP-D0OM5S0 MINGW64 ~/GitDemo (GitNewBranch)

$ git add branchfile.txt

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

Alice Franny@DESKTOP-D0OM5S0 MINGW64 ~/GitDemo (GitNewBranch)

$ git commit -m "Add branchfile.txt in GitNewBranch"

[GitNewBranch 4694d2e] Add branchfile.txt in GitNewBranch

1 file changed, 1 insertion(+)

create mode 100644 branchfile.txt

**Step 4:**

Check the status of it

Alice Franny@DESKTOP-D0OM5S0 MINGW64 ~/GitDemo (GitNewBranch)

$ git status

On branch GitNewBranch

nothing to commit, working tree clean

**Step 5:**

Now merge the main branch and the new branch

Go to main branch

$ git checkout main

Switched to branch 'main'

Alice Franny@DESKTOP-D0OM5S0 MINGW64 ~/GitDemo (main)

$ git diff main GitNewBranch

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

**new file mode 100644**

**index 0000000..2c587c4**

**--- /dev/null**

**+++ b/branchfile.txt**

@@ -0,0 +1 @@

Merge it:

Alice Franny@DESKTOP-D0OM5S0 MINGW64 ~/GitDemo (main)

$ git merge GitNewBranch

Updating 4ac0a01..4694d2e

Fast-forward

branchfile.txt | 1 +

1 file changed, 1 insertion(+)

create mode 100644 branchfile.txt

**Step 6:**

Add all the files

Alice Franny@DESKTOP-D0OM5S0 MINGW64 ~/GitDemo (main)

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

\* 4694d2e (HEAD -> main, GitNewBranch) Add branchfile.txt in GitNewBranch

\* 4ac0a01 Add .gitignore to ignore .log files and log folder

\* 8b4d33d Initial commit

**Step 7:**

Now delete and check status

Alice Franny@DESKTOP-D0OM5S0 MINGW64 ~/GitDemo (main)

$ git branch -d GitNewBranch

Deleted branch GitNewBranch (was 4694d2e).

Alice Franny@DESKTOP-D0OM5S0 MINGW64 ~/GitDemo (main)

$ git status

On branch main

nothing to commit, working tree clean