**Name : Rupanjana Batabyal Mail id : [2206208@kiit.ac.in](mailto:22052504@kiit.ac.in)**

**Superset id : 6365365 University Roll : 2206208**

WEEK - 08 : HandsOn Solutions

# Git - 03

KIIT@BT-2206208 MINGW64 ~/GitDemo (main)

$ git branch GitNewBranch

fatal: a branch named 'GitNewBranch' already exists

KIIT@BT-2206208 MINGW64 ~/GitDemo (main)

$ git branch -a GitNewBranch

\* main

KIIT@BT-2206208 MINGW64 ~/GitDemo (main)

$ git checkout GitNewBranch Switched to branch 'GitNewBranch'

KIIT@BT-2206208 MINGW64 ~/GitDemo (GitNewBranch)

$ echo "Changes in GitNewBranch" > branchfile.txt git add branchfile.txt

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

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

On branch GitNewBranch

nothing to commit, working tree clean

KIIT@BT-2206208 MINGW64 ~/GitDemo (GitNewBranch)

$ git status

On branch GitNewBranch

nothing to commit, working tree clean

KIIT@BT-2206208 MINGW64 ~/GitDemo (GitNewBranch)

$ git checkout master

error: pathspec 'master' did not match any file(s) known to git

KIIT@BT-2206208 MINGW64 ~/GitDemo (GitNewBranch)

$ git checkout main Switched to branch 'main'

KIIT@BT-2206208 MINGW64 ~/GitDemo (main)

$

git diff main GitNewBranch

diff --git a/branchfile.txt b/branchfile.txt new file mode 100644

index 0000000..817435c

--- /dev/null

+++ b/branchfile.txt @@ -0,0 +1 @@

+Changes in GitNewBranch

KIIT@BT-2206208 MINGW64 ~/GitDemo (main)

$ git difftool main GitNewBranch

Viewing (1/1): 'branchfile.txt' Launch 'p4merge' [Y/n]? y

The diff tool p4merge is not available as 'C:/Program Files/Perforce/p4merge.exe'

fatal: external diff died, stopping at branchfile.txt

KIIT@BT-2206208 MINGW64 ~/GitDemo (main)

$ git merge GitNewBranch Updating 64a0f21..44e688b Fast-forward

branchfile.txt | 1 +

1 file changed, 1 insertion(+) create mode 100644 branchfile.txt

KIIT@BT-2206208 MINGW64 ~/GitDemo (main)

$ git mergetool

No files need merging

KIIT@BT-2206208 MINGW64 ~/GitDemo (main)

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

* 44e688b (HEAD -> main, GitNewBranch) Add branchfile.txt in GitNewBranch
* 64a0f21 Add .gitignore to exclude log files and folders
* 26000a4 hi hello

KIIT@BT-2206208 MINGW64 ~/GitDemo (main)

$ git branch -d GitNewBranch

Deleted branch GitNewBranch (was 44e688b).

KIIT@BT-2206208 MINGW64 ~/GitDemo(main)

$ git status On branch main

nothing to commit, working tree clean KIIT@BT-2206208 MINGW64 ~/GitDemo (main)