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WEEK - 08 : HandsOn Solutions

# Git - 04

KIIT@BT-22052734 MINGW64 ~/GitDemo (main)

$ git checkout main git status

Already on 'main'

On branch main

nothing to commit, working tree clean

KIIT@BT-22052734 MINGW64 ~/GitDemo (main)

$ git checkout -b GitWork

echo "<greeting>Hello from branch</greeting>" > hello.xml Switched to a new branch 'GitWork'

KIIT@BT-22052734 MINGW64 ~/GitDemo (GitWork)

$ echo "<update>Branch version</update>" >> hello.xml git status

On branch GitWork Untracked files:

(use "git add <file>..." to include in what will be committed) hello.xml

nothing added to commit but untracked files present (use "git add" to track) KIIT@BT-22052734 MINGW64 ~/GitDemo (GitWork)

$ git add hello.xml

git commit -m "Added hello.xml in GitWork branch"

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

[GitWork 5d218fc] Added hello.xml in GitWork branch

1 file changed, 2 insertions(+) create mode 100644 hello.xml

KIIT@BT-22052734 MINGW64 ~/GitDemo (GitWork)

$ git checkout main Switched to branch 'main'

KIIT@BT-22052734 MINGW64 ~/GitDemo (main)

$ echo "<greeting>Hello from master</greeting>" > hello.xml git add hello.xml

git commit -m "Added hello.xml in main branch with different content" warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

[main 14c3e92] Added hello.xml in main branch with different content

1 file changed, 1 insertion(+) create mode 100644 hello.xml

KIIT@BT-22052734 MINGW64 ~/GitDemo (main)

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

* 14c3e92 (HEAD -> main) Added hello.xml in main branch with different content

| \* 5d218fc (GitWork) Added hello.xml in GitWork branch

|/

* 44e688b Add branchfile.txt in GitNewBranch
* 64a0f21 Add .gitignore to exclude log files and folders
* 26000a4 hi hello

KIIT@BT-22052734 MINGW64 ~/GitDemo (main)

$ git diff GitWork

diff --git a/hello.xml b/hello.xml index 11f5ba8..9d60142 100644

--- a/hello.xml

+++ b/hello.xml @@ -1,2 +1 @@

-<greeting>Hello from branch</greeting>

-<update>Branch version</update>

+<greeting>Hello from master</greeting>

KIIT@BT-22052734 MINGW64 ~/GitDemo (main)

$ git difftool GitWork

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

fatal: external diff died, stopping at hello.xml

KIIT@BT-22052734 MINGW64 ~/GitDemo (main)

$ git merge GitWork Auto-merging hello.xml

CONFLICT (add/add): Merge conflict in hello.xml

Automatic merge failed; fix conflicts and then commit the result.

KIIT@BT-22052734 MINGW64 ~/GitDemo (main|MERGING)

$ notepad++ hello.xml

bash: notepad++: command not found

KIIT@BT-22052734 MINGW64 ~/GitDemo (main|MERGING)

$ notepad hello.xml

KIIT@BT-22052734 MINGW64 ~/GitDemo (main|MERGING)

$ git mergetool Merging:

hello.xml

Normal merge conflict for 'hello.xml':

{local}: created file

{remote}: created file

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

KIIT@BT-22052734 MINGW64 ~/GitDemo (main|MERGING)

$ git add hello.xml

git commit -m "Resolved merge conflict in hello.xml" [main 23f7a1c] Resolved merge conflict in hello.xml

KIIT@BT-22052734 MINGW64 ~/GitDemo (main)

$ git status On branch main

Untracked files:

(use "git add <file>..." to include in what will be committed) hello\_BACKUP\_1154.xml

hello\_BASE\_1154.xml hello\_LOCAL\_1154.xml hello\_REMOTE\_1154.xml

nothing added to commit but untracked files present (use "git add" to track) KIIT@BT-22052734 MINGW64 ~/GitDemo (main)

$ echo "\*.BACKUP.\*" >> .gitignore git add .gitignore

git commit -m "Ignored P4Merge backup files"

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

[main 21407d6] Ignored P4Merge backup files

1 file changed, 1 insertion(+)

KIIT@BT-22052734 MINGW64 ~/GitDemo (main)

$ git branch GitWork

* main

KIIT@BT-22052734 MINGW64 ~/GitDemo (main)

$ git branch -d GitWork

Deleted branch GitWork (was 5d218fc).

KIIT@BT-22052734 MINGW64 ~/GitDemo (main)

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

* 21407d6 (HEAD -> main) Ignored P4Merge backup files
* 23f7a1c Resolved merge conflict in hello.xml

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| \* 5d218fc Added hello.xml in GitWork branch

* | 14c3e92 Added hello.xml in main branch with different content

|/

* 44e688b Add branchfile.txt in GitNewBranch
* 64a0f21 Add .gitignore to exclude log files and folders
* 26000a4 hi hello