KIIT@BT-2206161 MINGW64 ~

$ cd GitDemo

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

$ git checkout main

Already on 'main'

Your branch is ahead of 'origin/main' by 6 commits.

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

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

$ git status

On branch main

Your branch is ahead of 'origin/main' by 6 commits.

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

nothing to commit, working tree clean

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

$ git checkout -b GitWork

fatal: a branch named 'GitWork' already exists

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

$ git checkout -b GitWorks

Switched to a new branch 'GitWorks'

KIIT@BT-2206161 MINGW64 ~/GitDemo (GitWorks)

$ echo "<greeting>Hello from branch</greeting>" > hello.xml

KIIT@BT-2206161 MINGW64 ~/GitDemo (GitWorks)

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

KIIT@BT-2206161 MINGW64 ~/GitDemo (GitWorks)

$ git status

On branch GitWorks

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: hello.xml

no changes added to commit (use "git add" and/or "git commit -a")

KIIT@BT-2206161 MINGW64 ~/GitDemo (GitWorks)

$ git add hello.xml

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

KIIT@BT-2206161 MINGW64 ~/GitDemo (GitWorks)

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

[GitWorks 0b26651] Added hello.xml in GitWork branch

1 file changed, 2 insertions(+), 1 deletion(-)

KIIT@BT-2206161 MINGW64 ~/GitDemo (GitWorks)

$ git checkout main

Switched to branch 'main'

Your branch is ahead of 'origin/main' by 6 commits.

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

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

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

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

$ git add hello.xml

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

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

$ git commit -m "Added hello.xml in main branch with different content"

On branch main

Your branch is ahead of 'origin/main' by 6 commits.

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

nothing to commit, working tree clean

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

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

\* 0b26651 (**GitWorks**) Added hello.xml in GitWork branch

\* a315347 (**HEAD** -> **main**) Added log in GitWork branch

\* cdeede1 Added hello.xml in main branch with different content

| \* 7a9e1b4 (**GitWork**) Added hello.xml in GitWork branch

|/

\* a9548ae Add branchfile.txt in GitNewBranch

\* 110c676 Add .gitignore to exclude log files and folders

\* 3545eb2 Add welcome.txt

\* 7c0f097 Add welcome.txt

\* 73f1053 (**origin/main**) Merge branch 'main' of https://gitlab.com/anjali.222-group/gitdemo

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| \* b19ca21 Initial commit

\* 69dfd49 Add welcome.txt

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

$ git diff GitWork

**diff --git a/hello.xml b/hello.xml**

**index 7c54a4f..9d60142 100644**

**--- a/hello.xml**

**+++ b/hello.xml**

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 (1/2): 'hello.xml'

Launch 'vimdiff' [Y/n]? y

2 files to edit

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 (2/2): 'log/logfile.log'

Launch 'vimdiff' [Y/n]? y

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

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

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

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

Merging:

hello.xml

Normal merge conflict for 'hello.xml':

{local}: created file

{remote}: created file

Hit return to start merge resolution tool (vimdiff): exe

KIIT@BT-2206161 MINGW64 ~/GitDemo (main|MERGING)

$ git add hello.xml

KIIT@BT-2206161 MINGW64 ~/GitDemo (main|MERGING)

$ git commit -m "Resolved merge conflict in hello.xml"

[main 534cb99] Resolved merge conflict in hello.xml

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

$ git status

On branch main

Your branch is ahead of 'origin/main' by 8 commits.

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

Untracked files:

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

hello.xml.orig

nothing added to commit but untracked files present (use "git add" to track)

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

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

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

$ git add .gitignore

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

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

$ git commit -m "Ignored P4Merge backup files"

[main 71751de] Ignored P4Merge backup files

1 file changed, 1 insertion(+)

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

$ git branch

GitWork

GitWorks

\* main

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

$ git branch -d GitWork

Deleted branch GitWork (was 7a9e1b4).

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

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

\* 71751de (**HEAD** -> **main**) Ignored P4Merge backup files

\* 534cb99 Resolved merge conflict in hello.xml

|\

| \* 7a9e1b4 Added hello.xml in GitWork branch

\* | a315347 Added log in GitWork branch

\* | cdeede1 Added hello.xml in main branch with different content

|/

\* a9548ae Add branchfile.txt in GitNewBranch

\* 110c676 Add .gitignore to exclude log files and folders

\* 3545eb2 Add welcome.txt

\* 7c0f097 Add welcome.txt

\* 73f1053 (**origin/main**) Merge branch 'main' of https://gitlab.com/anjali.222-group/gitdemo

|\

| \* b19ca21 Initial commit

\* 69dfd49 Add welcome.txt

KIIT@BT-2206161 MINGW64 ~/GitDemo (main)

$

