KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ git status

On branch master

nothing to commit, working tree clean

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ git branch GitWork

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ git checkout GitWork

Switched to branch 'GitWork'

KIIT@BT-22051965 MINGW64~/GitDemo (GitWork)

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

KIIT@BT-22051965 MINGW64~/GitDemo (GitWork)

$ echo "<message>Updated message in GitWork branch</message>" > hello.xml

KIIT@BT-22051965 MINGW64~/GitDemo (GitWork)

$ git status

On branch GitWork

Untracked files:

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

hello.xml

KIIT@BT-22051965 MINGW64~/GitDemo (GitWork)

$ git add hello.xml

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

[GitWork 111aaaa] Added hello.xml in GitWork branch

1 file changed, 1 insertion(+)

create mode 100644 hello.xml

KIIT@BT-22051965 MINGW64~/GitDemo (GitWork)

$ git checkout master

Switched to branch 'master'

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

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

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ git add hello.xml

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

[master 222bbbb] Added hello.xml in Master branch

1 file changed, 1 insertion(+)

create mode 100644 hello.xml

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

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

\* 222bbbb (HEAD -> master) Added hello.xml in Master branch

| \* 111aaaa (GitWork) Added hello.xml in GitWork branch

|/

\* previous commits…

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ git diff master..GitWork

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

index abcdef1..1234567 100644

--- a/hello.xml

+++ b/hello.xml

@@ -1 +1 @@

-<message>Hello from Master branch</message>

+<message>Updated message in GitWork branch</message>

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ git difftool master..GitWork

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ git merge GitWork

Auto-merging hello.xml

CONFLICT (content): Merge conflict in hello.xml

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

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ cat hello.xml

<<<<<<< HEAD

<message>Hello from Master branch</message>

=======

<message>Updated message in GitWork branch</message>

>>>>>>> GitWork

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ git mergetool

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ git add hello.xml

$ git commit -m "Resolved conflict in hello.xml while merging GitWork into master"

[master 333cccc] Resolved conflict in hello.xml while merging GitWork into master

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ git status

On branch master

nothing to commit, working tree clean

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ echo "\*~" >> .gitignore

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ git add .gitignore

$ git commit -m "Added backup files to .gitignore"

[master 444dddd] Added backup files to .gitignore

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ git branch

\* master

GitWork

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

$ git branch -d GitWork

Deleted branch GitWork (was 111aaaa).

KIIT@BT-22051965 MINGW64 ~/GitDemo (master)

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

\* 444dddd (HEAD -> master) Added backup files to .gitignore

\* 333cccc Resolved conflict in hello.xml while merging GitWork into master

\* 222bbbb Added hello.xml in Master branch

\* 111aaaa Added hello.xml in GitWork branch

\* previous commits...