SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ ls

GitDemo/ file1.log logfolder/ normalfile.txt welcome.txt

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git branch

\* master

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git remote

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git branch GitWork

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git log --oneline --all

814091a (HEAD -> master, GitWork) updated file

0c38314 adding new file into the branch

fec474e new file in branch

39fa215 new commit

632d16c ignoring the file1 text

2fa57f2 This is my first repository

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git checkout GitWork

Switched to branch 'GitWork'

D hello.xml

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ ls

GitDemo/ file1.log logfolder/ normalfile.txt welcome.txt

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ vi hello.xml

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ git status

On branch GitWork

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")

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ git add hello.xml

warning: LF will be replaced by CRLF in hello.xml.

The file will have its original line endings in your working directory

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ git commit -m "file created in the branch"

[GitWork 931e4ae] file created in the branch

1 file changed, 1 insertion(+), 2 deletions(-)

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ git status

On branch GitWork

nothing to commit, working tree clean

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ vi hello.xml

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ git status

On branch GitWork

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")

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ git diff

warning: LF will be replaced by CRLF in hello.xml.

The file will have its original line endings in your working directory

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

**index e171da1..b7f593f 100644**

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

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

@@ -1 +1,2 @@

this content is related to XML

+it contains different type of XML data

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ git difftool

warning: LF will be replaced by CRLF in hello.xml.

The file will have its original line endings in your working directory

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ git add .

warning: LF will be replaced by CRLF in hello.xml.

The file will have its original line endings in your working directory

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ git commit -m "updated XML file"

[GitWork 4e6b3f1] updated XML file

1 file changed, 1 insertion(+)

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ git status

On branch GitWork

nothing to commit, working tree clean

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ git log --oneline

4e6b3f1 (HEAD -> GitWork) updated XML file

931e4ae file created in the branch

814091a (master) updated file

0c38314 adding new file into the branch

fec474e new file in branch

39fa215 new commit

632d16c ignoring the file1 text

2fa57f2 This is my first repository

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ git checkout master

Switched to branch 'master'

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ ls

GitDemo/ file1.log hello.xml logfolder/ normalfile.txt welcome.txt

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ cat hello.xml

this file is releted to XML

it contains XML related data

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git checkout GitWork

Switched to branch 'GitWork'

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ ls

GitDemo/ file1.log hello.xml logfolder/ normalfile.txt welcome.txt

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ cat hello.xml

this content is related to XML

it contains different type of XML data

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (GitWork)

$ git checkout master

Switched to branch 'master'

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ vi hello.xml

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git status

On branch master

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")

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git add .

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git commit -m "updated file in master"

[master 7fb457c] updated file in master

1 file changed, 1 insertion(+), 1 deletion(-)

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git status

On branch master

nothing to commit, working tree clean

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

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

\* 7fb457c (HEAD -> master) updated file in master

| \* 4e6b3f1 (GitWork) updated XML file

| \* 931e4ae file created in the branch

|/

\* 814091a updated file

\* 0c38314 adding new file into the branch

\* fec474e new file in branch

\* 39fa215 new commit

\* 632d16c ignoring the file1 text

\* 2fa57f2 This is my first repository

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git diff master Gitwork

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

**index 78d1b1a..b7f593f 100644**

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

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

@@ -1,2 +1,2 @@

-this file is releted to XML

-it contains all the data not only XML

+this content is related to XML

+it contains different type of XML data

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git difftool master Gitwork

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/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.

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master|MERGING)

$ git status

On branch master

You have unmerged paths.

(fix conflicts and run "git commit")

(use "git merge --abort" to abort the merge)

Unmerged paths:

(use "git add <file>..." to mark resolution)

both modified: hello.xml

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

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master|MERGING)

$ git add .

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master|MERGING)

$ git commit -m "merging"

[master 56ebc0c] merging

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git status

On branch master

nothing to commit, working tree clean

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ ls

GitDemo/ file1.log hello.xml logfolder/ normalfile.txt welcome.txt

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ cat hello.xml

<<<<<<< HEAD

this file is releted to XML

it contains all the data not only XML

=======

this content is related to XML

it contains different type of XML data

>>>>>>> Gitwork

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ vi hello.xml

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git status

On branch master

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")

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git add .

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git commit -m "merging"

[master 0942d24] merging

1 file changed, 2 insertions(+), 6 deletions(-)

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git merge Gitwork

Already up to date.

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git branch -a

GitWork

\* master

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

$ git branch -d Gitwork

Deleted branch Gitwork (was 4e6b3f1).

SAI@LAPTOP-BT685UDJ MINGW64 ~/source/gitfiles/GitDemo (master)

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

\* 0942d24 (HEAD -> master) merging

\* 56ebc0c merging

|\

| \* 4e6b3f1 updated XML file

| \* 931e4ae file created in the branch

\* | 7fb457c updated file in master

|/

\* 814091a updated file

\* 0c38314 adding new file into the branch

\* fec474e new file in branch

\* 39fa215 new commit

\* 632d16c ignoring the file1 text

\* 2fa57f2 This is my first repository

**P4 DiffTool**

