

## 4 GIT HOL SCREENSHOTS OUTPUT

### Prepare Branch and Master for Conflict

```
MINGW64/c/Users/Anand/GitDemo
Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git status
On branch master
nothing to commit, working tree clean

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git checkout -b Gitwork
Switched to a new branch 'Gitwork'

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (Gitwork)
$ echo "<msg>Hello from branch</msg>" > hello.xml

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (Gitwork)
$ git add hello.xml
warning: in the working copy of 'hello.xml', LF will be replaced b
y CRLF the next time Git touches it

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (Gitwork)
$ git commit -m "Add hello.xml in branch"
[Gitwork 208649a] Add hello.xml in branch
1 file changed, 1 insertion(+)
create mode 100644 hello.xml

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (Gitwork)
$ git checkout master
Switched to branch 'master'

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ echo "<msg>Hello from master</msg>" > hello.xml

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git add hello.xml
warning: in the working copy of 'hello.xml', LF will be replaced b
y CRLF the next time Git touches it

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git commit -m "Add hello.xml in master"
[master 6064872] Add hello.xml in master
1 file changed, 1 insertion(+)
create mode 100644 hello.xml

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$
```

### Merge and Resolve Conflict

```
MINGW64/c/Users/Anand/GitDemo
Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git add hello.xml
warning: in the working copy of 'hello.xml', LF will be replaced b
y CRLF the next time Git touches it

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git commit -m "Add hello.xml in master"
[master 6064872] Add hello.xml in master
1 file changed, 1 insertion(+)
create mode 100644 hello.xml

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git log --oneline --graph --decorate --all
* 6064872 (HEAD -> master) Add hello.xml in master
* 208649a (Gitwork) Add hello.xml in branch
/
* ffa7f6c Add branchfile.txt in GitNewBranch
* 22d74d0 Ignore log files and log folder

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git diff master Gitwork
diff --git a/hello.xml b/hello.xml
index 672ac2c..acba5c9 100644
--- a/hello.xml
+++ b/hello.xml
@@ -1,1 @@
-<msg>Hello from master</msg>
+<msg>Hello from branch</msg>

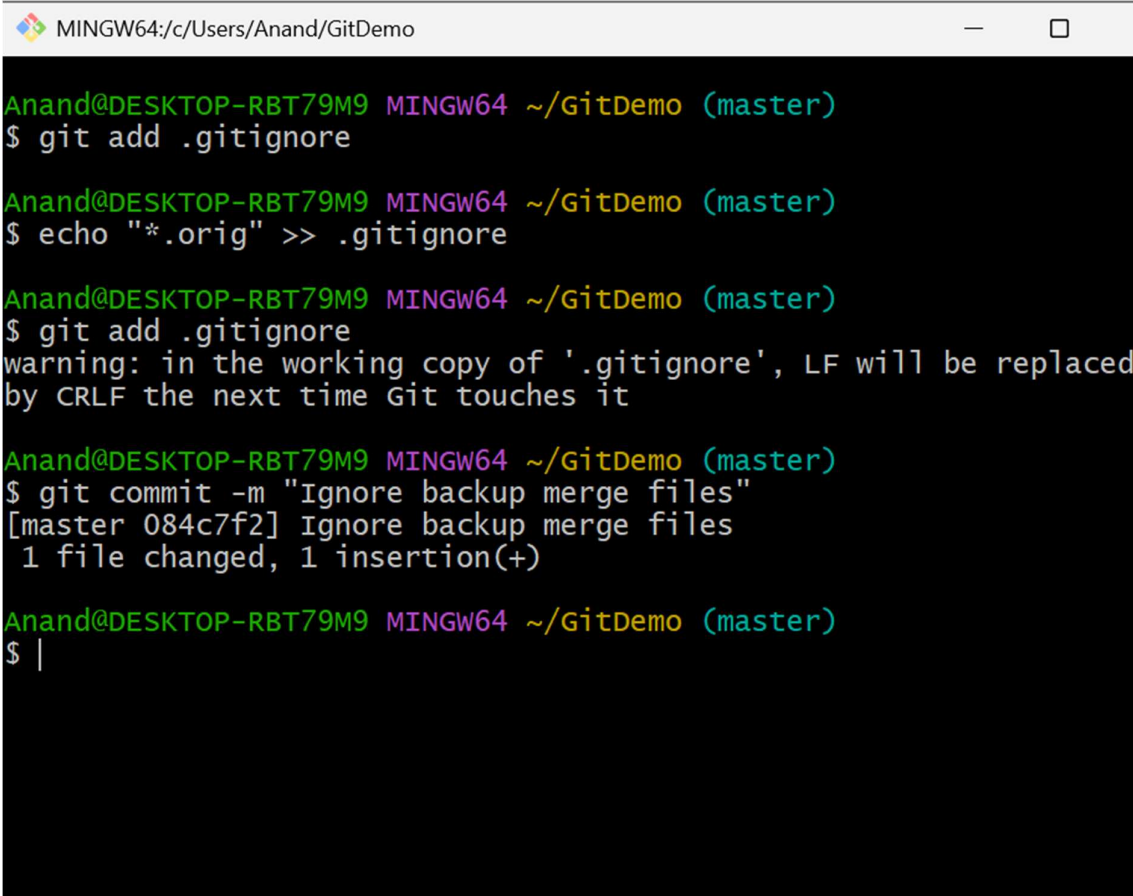
Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git merge Gitwork
Auto-merging hello.xml
CONFLICT (add/add): Merge conflict in hello.xml
Automatic merge failed; fix conflicts and then commit the result.

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master|MERGING)
$ git add hello.xml

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master|MERGING)
$ git commit -m "Resolve merge conflict in hello.xml"
[master 70381b9] Resolve merge conflict in hello.xml

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$
```

## Update .gitignore for Backup Files



```
MINGW64:/c/Users/Anand/GitDemo

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git add .gitignore

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ echo "*.orig" >> .gitignore

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git add .gitignore
warning: in the working copy of '.gitignore', LF will be replaced
by CRLF the next time Git touches it

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git commit -m "Ignore backup merge files"
[master 084c7f2] Ignore backup merge files
1 file changed, 1 insertion(+)

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ |
```

## Cleanup

```
MINGW64:/c/Users/Anand/GitDemo
Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git branch -d GitWork
Deleted branch GitWork (was 208649a).

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$ git log --oneline --graph --decorate
* 084c7f2 (HEAD -> master) Ignore backup merge files
* 70381b9 Resolve merge conflict in hello.xml
|\
| * 208649a Add hello.xml in branch
* | 6064872 Add hello.xml in master
|/
* ffa7f6c Add branchfile.txt in GitNewBranch
* 22d74d0 Ignore log files and log folder

Anand@DESKTOP-RBT79M9 MINGW64 ~/GitDemo (master)
$
```