

## 4.GIT-HOL

```

KIIT@BT-2228015 MINGW64 ~/.gitbridge (GitWork)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
$ echo "<message>Hello from master</message>" > hello.xml

KIIT@BT-2228015 MINGW64 ~/.gitbridge (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-2228015 MINGW64 ~/.gitbridge (main)
$ git commit -m "Added hello.xml in master branch with different content"
[main 6acc225] Added hello.xml in master branch with different content
1 file changed, 1 insertion(+)
create mode 100644 hello.xml

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
$ git log --oneline --graph --decorate --all
* 6acc225 (HEAD -> main) Added hello.xml in master branch with different content
| * 85c23b9 (GitWork) Added hello.xml in GitWork branch
|/

```

The screenshot shows a Git GUI window titled "MINGW64:/c/Users/KIIT/.gitbridge". The interface is split into two main panes. The top pane displays a merge conflict between two files, "47.xml" and "947.xml", both containing the text "Hello from master" and "Hello from branch". The bottom pane shows the resolved state of the files, with "Hello from branch" and "GitWork" being the final content. The status bar at the bottom indicates the files are "hello.xml" and "hello.xml" with a size of 116B.

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$ git log --oneline --graph --decorate --all
* 6acc225 (HEAD -> main) Added hello.xml in master branch with different content
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6acc225 Added hello.xml in master branch with different content

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
$ git difftool GitWork

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 (1/1): 'hello.xml'
Launch 'vimdiff' [Y/n]? n

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 nvimdiff
Merging:
hello.xml

Normal merge conflict for 'hello.xml':
  {local}: created file
  {remote}: created file
Hit return to start merge resolution tool (vimdiff):
3 files to edit

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main|MERGING)
$ git commit -m "Resolved conflict in hello.xml and merged GitWork into master"
[main fc0e9c3] Resolved conflict in hello.xml and merged GitWork into master

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 4 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
```

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

KIIT@BT-2228015 MINGW64 ~/.gitbridge (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-2228015 MINGW64 ~/.gitbridge (main)
$ git commit -m "Added hello.xml in master branch with different content"
[main 6acc225] Added hello.xml in master branch with different content
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KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
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-----
KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
$ notepad++ .gitignore

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
$ notepad++ .gitignore
*.bak
*.backup

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
$ *.bak
bash: *.bak: command not found

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
$ *.backup
bash: *.backup: command not found

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
$ git add .gitignore

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
$ git commit -m "Updated .gitignore to ignore backup files"
On branch main
Your branch is ahead of 'origin/main' by 4 commits.
(use "git push" to publish your local commits)

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    gitignore1.txt
    hello.xml.orig
    test.log

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

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
$ git branch
  GitWork
* main

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
$ git branch -d GitWork
Deleted branch GitWork (was 85c23b9).

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)
$ git log --online --graph --decorate
fatal: unrecognized argument: --online

KIIT@BT-2228015 MINGW64 ~/.gitbridge (main)

```