## **Output: 4. Git-HOL**

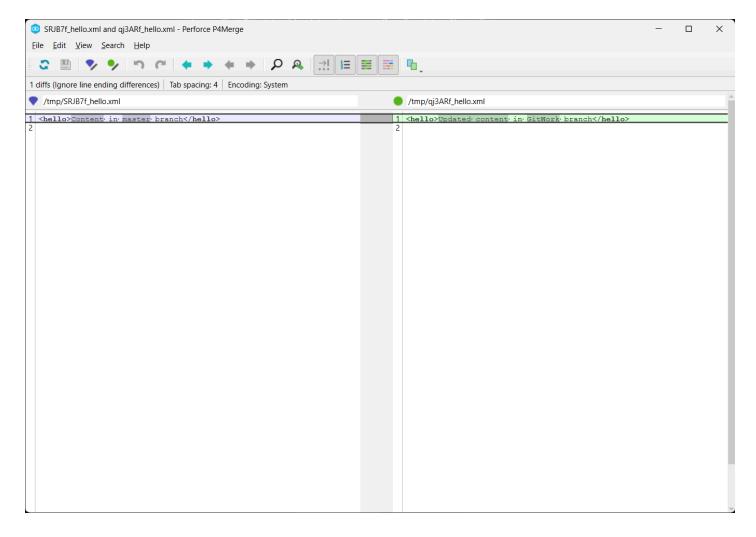
→ Create and Work on the New Branch GitWork with File hello.xml

```
nilesh:~/GitDemo$ git checkout master
git status
Already on 'master'
Your branch is up to date with 'origin/master'.
On branch master
Your branch is up to date with 'origin/master'.
nothing to commit, working tree clean
nilesh:~/GitDemo$ git checkout -b GitWork
Switched to a new branch 'GitWork'
nilesh:~/GitDemo$ echo "<hello>Initial content in branch</hello>" > hello.xml
nilesh:~/GitDemo$ echo "<hello>Updated content in GitWork branch</hello>" > hello.xml
                    mo$ git status
On branch GitWork
Untracked files:
  (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
nilesh:~/GitDemo$ git add hello.xml
nilesh:~/GitDemo$ git commit -m "Update hello.xml in GitWork branch
[GitWork ac8b7eb] Update hello.xml in GitWork branch
1 file changed, 1 insertion(+)
create mode 100644 hello.xml
nilesh:~/GitDemo$
```

→ Switch to Master and Add hello.xml with Different Content

## → Review Commit History and Compare Differences Using Git Diff and P4Merge

Output: 4. Git-HOL



→ Merge Branch, Resolve Conflicts, Update .gitignore, Clean Up Branches, and Review History

```
nilesh:-/Gitbemo$ git commit -m "Merge GitWork branch into master after resolving conflicts"
[master a8b0856] Merge GitWork branch into master after resolving conflicts nilesh:-/Gitbemo$ git status echo "*.bak" > .gitignore
On branch master
Your branch is ahead of 'origin/master' by 3 commits.
(use "git push" to publish your local commits)

Untracked files:
(use "git add <file>..." to include in what will be committed)
hello.wml.orig
nothing added to commit but untracked files present (use "git add" to track)
nilesh:-/Gitbemo$ git branch -a
GitWork
* master
remotes/origin/master
rilesh:-/Gitbemo$ git branch -d GitWork
Deleted branch GitWork (was ac8b7eb).
nilesh:-/Gitbemo$ git log --oneline --graph --decorate
* ab08505 (HEAD -> master) Merge GitWork branch into master after resolving conflicts

| * ac8b7eb Update hello.xml in GitWork branch
* [c0045bf Add hello.xml to master with different content
|//
* ec317b5 (origin/master) Added new files in GitNewBranch
* 7aad1415 [gnore .log files and log folder
* bf22466 Initial commit
nilesh:-/GitDemo$
```

Output: 4. Git-HOL 2