## **Objectives**

Explain how to resolve the conflict during merge.

Please follow the instructions to complete the hands-on. Each instruction expect a command for the Git Bash.

- 1. Verify if master is in clean state.
- 2. Create a branch "GitWork". Add a file "hello.xml".
- 3. Update the content of "hello.xml" and observe the status
- 4. Commit the changes to reflect in the branch
- 5. Switch to master.
- 6. Add a file "hello.xml" to the master and add some different content than previous.
- 7. Commit the changes to the master
- 8. Observe the log by executing "git log -oneline -graph -decorate -all"
- 9. Check the differences with Git diff tool
- **10.** For better visualization, use P4Merge tool to list out all the differences between master and branch
- 11. Merge the bran to the master
- **12.** Observe the git mark up.
- 13. Use 3-way merge tool to resolve the conflict
- 14. Commit the changes to the master, once done with conflict
- **15.** Observe the git status and add backup file to the .gitignore file.
- **16.** Commit the changes to the .gitignore
- 17. List out all the available branches
- 18. Delete the branch, which merge to master.
- 19. Observe the log by executing "git log -oneline -graph -decorate"

## **Output:**

```
DESOESTON-7370VF1 MINOMG4 - (Gitwork)
git stauts
It's istaut's is not a git command. See 'git --help'.

He most similar command is
status
git s
```

```
Citation's base0503 Add hello.xml in Gitwork

I file changed, linsertion(+)

Create mode 100644 hello.xml

WOMEROESTROP-737UVF1 MINGW64 - (GitWork)

§ git checkout master'

***MOMEROESTROP-737UVF1 MINGW64 - (master)

§ echo "chello.xml in master'

***MOMEROESTROP-737UVF1 MINGW64 - (master)

§ echo "chello.xml in master'

***MOMEROESTROP-737UVF1 MINGW64 - (master)

§ echo "chello.xml in master'

***MOMEROESTROP-737UVF1 MINGW64 - (master)

§ echo "chello.xml in the working copy of 'hello.xml', LF will be replaced by CRLF the nex to time Git touches it

Auto packing the repository in background for optimum performance.

See "git help go" for manual housekeeping.

Enumerating objects: 1,00% (3/3), done.

Counting objects: 1,00% (3/3), done.

Delta compression using up to 4 threads

Compressing objects: 1,00% (3/3), done.

Compressing objects: 1,00%
```

