**WEEK 8 – Git Hands On 4**

**Hands On**

**To Implement conflict resolution when multiple users are updating the trunk (or master) in such a way that it results into a conflict with the branch’s modification**

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$ cd /n/desktop/Java\ Deepskilling/hands-on/git/gitdemo

git checkout master

git status

Already on 'master'

Your branch is ahead of 'origin/master' by 1 commit.

(use "git push" to publish your local commits)

On branch master

Your branch is ahead of 'origin/master' by 1 commit.

(use "git push" to publish your local commits)

nothing to commit, working tree clean

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$ git checkout -b GitWork

Switched to a new branch 'GitWork'

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (GitWork)

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

git add hello.xml

git commit -m "Added hello.xml in GitWork"

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

[GitWork dd56de0] Added hello.xml in GitWork

1 file changed, 1 insertion(+)

create mode 100644 hello.xml

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (GitWork)

$ git checkout master

Switched to branch 'master'

Your branch is ahead of 'origin/master' by 1 commit.

(use "git push" to publish your local commits)

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

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

git add hello.xml

git commit -m "Added hello.xml in master"

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

[master 362b432] Added hello.xml in master

1 file changed, 1 insertion(+)

create mode 100644 hello.xml

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$

git log --oneline --graph --decorate --all

\* 362b432 (**HEAD** -> **master**) Added hello.xml in master

| \* dd56de0 (**GitWork**) Added hello.xml in GitWork

|/

\* f91f8d5 Added branchfile.txt in GitNewBranch

\* c97baac (**origin/master**) Added .gitignore to ignore .log files and log/ folder

\* c8b6baa comitted txt file

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/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.

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master|MERGING)

$ ^[[200~notepad++ hello.xml

bash: $'\E[200~notepad++': command not found

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master|MERGING)

$ ^[[200~"/c/Program Files/Notepad++/notepad++.exe" hello.xml

bash: /c/Program Files/Notepad++/notepad++.exe: No such file or directory

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master|MERGING)

$ "/c/Program Files/Notepad++/notepad++.exe" hello.xml

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master|MERGING)

$ git add hello.xml

git commit -m "Resolved merge conflict in hello.xml"

[master 42991c0] Resolved merge conflict in hello.xml

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$ echo "\*.orig" >> .gitignore

git add .gitignore

git commit -m "Ignore merge backup files"

warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it

[master 67d0d94] Ignore merge backup files

1 file changed, 1 insertion(+)

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$ git branch -d GitWork

git push origin --delete GitWork

Deleted branch GitWork (was dd56de0).

warning: redirecting to https://gitlab.com/narasimha-droid1/gitdemo.git/

error: unable to delete 'GitWork': remote ref does not exist

error: failed to push some refs to 'https://gitlab.com/narasimha-droid1/gitdemo'

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$ git log --oneline --graph --decorate

\* 67d0d94 (**HEAD** -> **master**) Ignore merge backup files

\* 42991c0 Resolved merge conflict in hello.xml

|\

| \* dd56de0 Added hello.xml in GitWork

\* | 362b432 Added hello.xml in master

|/

\* f91f8d5 Added branchfile.txt in GitNewBranch

\* c97baac (**origin/master**) Added .gitignore to ignore .log files and log/ folder

\* c8b6baa comitted txt file

Narasimha\_All@DESKTOP-6VNDQAL MINGW64 /n/desktop/Java Deepskilling/hands-on/git/gitdemo (master)

$

**Output :**

