4.Git-HOL

```
rohit@SAI_ROHITH MINGW64 ~
$ cd ~/Desktop/Cognizant/GitWorkspace/GitDemo

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git checkout master
Already on 'master'
Your branch is up to date with 'origin/master'.

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git checkout -b GitWork
Switched to a new branch 'GitWork'

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (GitWork)
$ echo "<message>Hello from GitWork branch</message>" >
hello.xml

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (GitWork)
$ git status
On branch GitWork
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        hello.xml

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

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (GitWork)
$ git add hello.xml
warning: in the working copy of 'hello.xml', LF will be replaced
by CRLF the next time Git touches it

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (GitWork)
$ git commit -m "Add hello.xml in GitWork branch"
[GitWork 0543d22] Add hello.xml in GitWork branch
 1 file changed, 1 insertion(+)
```

```
 create mode 100644 hello.xml

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (GitWork)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ echo "<note>This is a conflicting change in master</note>" >
hello.xml

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git add hello.xml
warning: in the working copy of 'hello.xml', LF will be replaced
by CRLF the next time Git touches it

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git commit -m "Add conflicting hello.xml in master"
[master 553b451] Add conflicting hello.xml in master
 1 file changed, 1 insertion(+)
 create mode 100644 hello.xml

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git log --oneline --graph --decorate --all
* 553b451 (HEAD -> master) Add conflicting hello.xml in master
| * 0543d22 (GitWork) Add hello.xml in GitWork branch
|/
* 80e36d5 (origin/master) Add branch_change.txt in GitNewBranch
* df9a1f6 Add .gitignore to ignore .log files and log directory
* f0dbc3c Initial commit: added welcome.txt

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git diff GitWork
diff --git a/hello.xml b/hello.xml
index 0bf4c19..ccca8b5 100644
--- a/hello.xml
+++ b/hello.xml
@@ -1 +1 @@
-<message>Hello from GitWork branch</message>
+<note>This is a conflicting change in master</note>

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/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.
```
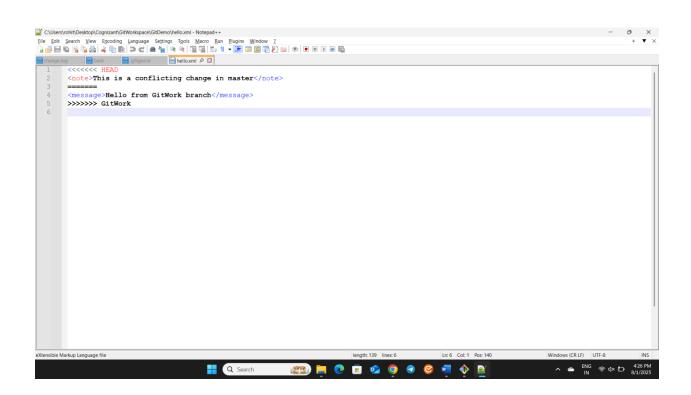
```
rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master|MERGING)
$ notepad++ hello.xml
```

```
rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master|MERGING)
$ git add hello.xml

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master|MERGING)
$ git commit -m "Resolve merge conflict in hello.xml"
[master be88acf] Resolve merge conflict in hello.xml

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ echo "*.bak" >> .gitignore

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git add .gitignore
warning: in the working copy of '.gitignore', LF will be
replaced by CRLF the next time Git touches it

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git commit -m "Ignore backup files"
[master 3aedc40] Ignore backup files
 1 file changed, 1 insertion(+)

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git branch
  GitWork
* master

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git branch -d GitWork
Deleted branch GitWork (was 0543d22).

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git log --oneline --graph --decorate
* 3aedc40 (HEAD -> master) Ignore backup files
*   be88acf Resolve merge conflict in hello.xml
|\
| * 0543d22 Add hello.xml in GitWork branch
* | 553b451 Add conflicting hello.xml in master
|/
* 80e36d5 (origin/master) Add branch_change.txt in GitNewBranch
* df9a1f6 Add .gitignore to ignore .log files and log directory
* f0dbc3c Initial commit: added welcome.txt

rohit@SAI_ROHITH MINGW64
~/Desktop/Cognizant/GitWorkspace/GitDemo (master)
$ git push -u origin master
warning: redirecting to
https://gitlab.com/rohithaddanki/gitdemo.git/
```

Enumerating objects: 14, done.
Counting objects: 100% (14/14), done.
Delta compression using up to 16 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (12/12), 1.24 KiB | 633.00 KiB/s, done.
Total 12 (delta 4), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for master, visit:
remote: https://gitlab.com/rohithaddanki/gitdemo/-
/merge_requests/new?merge_request%5Bsource_branch%5D=master
remote:
To https://gitlab.com/rohithaddanki/gitdemo
   80e36d5..3aedc40 master -> master
branch 'master' set up to track 'origin/master'.

Repository Link: https://gitlab.com/rohithaddanki/gitdemo.git