

Please follow the instructions to complete the hands-on. This file contains all the screenshots of hands on labs outputs.

1. Verify if master is in clean state.

```
ujwalhiraanwar@zenetsu15:~/Documents/code/GitDemo$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

2. Create a branch “GitWork”. Add a file “hello.xml”.

```
ujwalhiraanwar@zenetsu15:~/Documents/code/GitDemo$ git status
On branch GitWork
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   hello.xml
```

3. Update the content of “hello.xml” and observe the status

```
ujwalhiraanwar@zenetsu15:~/Documents/code/GitDemo$ git status
On branch GitWork
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   hello.xml

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   hello.xml
```

4. Commit the changes to reflect in the branch

```
ujwalhiraanwar@zenetsu15:~/Documents/code/GitDemo$ git commit -m "committed changes"
[GitWork daba26b] committed changes
1 file changed, 1 insertion(+)
create mode 100644 hello.xml
```

5. Add a file “hello.xml” to the master and add some different content than previous.

```
ujwalhiraanwar@zenetsu15:~/Documents/code/GitDemo$ git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   hello.xml
```

6. Commit the changes to the master

```
ujwalhiranwar@zenetsu15:~/Documents/code/GitDemo$ git commit -m "changes committed to master"
[main dcf8a7] changes committed to master
1 file changed, 1 insertion(+)
create mode 100644 hello.xml
```

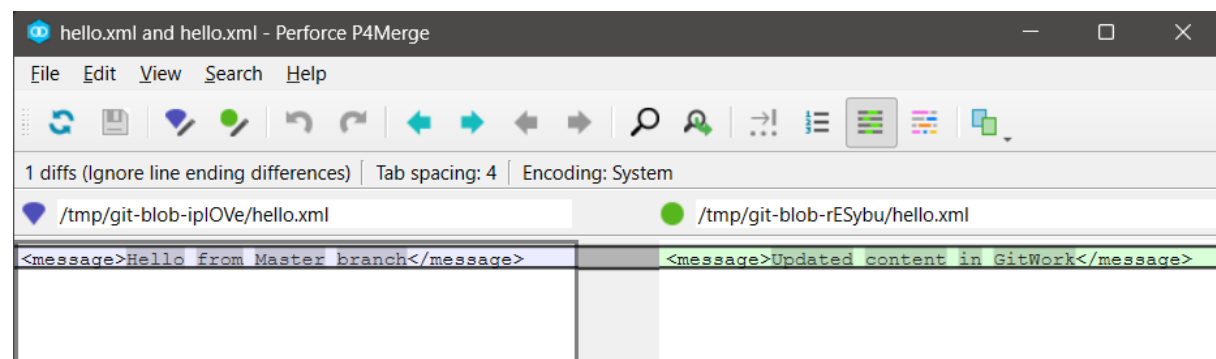
7. Observe the log by executing “git log --oneline --graph --decorate ”

```
ujwalhiranwar@zenetsu15:~/Documents/code/GitDemo$ git log --oneline --graph --decorate
* dcf8a7 (HEAD -> main) changes committed to master
* 54d4215 changes made
* bb21dda Edit welcome.txt
* 37cf3ce committed
* 630d214 Edit README.md
* 96cf604 Edit README.md
* f104c3f Initial commit
```

8. Check the differences with Git diff tool

```
ujwalhiranwar@zenetsu15:~/Documents/code/GitDemo$ git diff main GitWork
diff --git a/hello.xml b/hello.xml
index 7feff86..7bb41e7 100644
--- a/hello.xml
+++ b/hello.xml
@@ -1,1 @@
- <message>Hello from Master branch</message>
+ <message>Updated content in GitWork</message>
```

9. For better visualization, use P4Merge tool to list out all the differences between master and branch



15. Delete the branch, which merge to master.

```
ujwalhiranwar@zenetsu15:~/Documents/code/GitDemo$ git branch -d GitWork
Deleted branch GitWork (was 982c465).
ujwalhiranwar@zenetsu15:~/Documents/code/GitDemo$ |
```

16. Observe the log by executing “git log --oneline --graph --decorate”

```
ujwalhiranwar@zenetsu15:~/Documents/code/GitDemo$ git log --oneline --graph --decorate
* f581e0f (HEAD -> main) recent changes committed
* cfa4e28 committed in main
* d28f8f3 committed in main
| \
| * 982c465 changed it
* | 07fb066 committed
| |
| * daba26b committed changes
* | dcf8a7 changes committed to master
| /
* 54d4215 changes made
* bb21dda Edit welcome.txt
* 37cf3ce committed
* 630d214 Edit README.md
* 96cf604 Edit README.md
* f104c3f Initial commit
```