```
harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ echo "This is the initial version of the file." > hello.xml

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git checkout -b GitWork
fatal: a branch named 'GitWork' already exists

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ echo "This is the change from the GitWork branch." > hello.xml

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git add hello.xml

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git commit -m "Updated hello.xml on the GitWork branch"
[master a5785f0] Updated hello.xml on the GitWork branch
 1 file changed, 1 insertion(+), 1 deletion(-)

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git checkout master
Already on 'master'
Your branch is ahead of 'origin/master' by 3 commits.
  (use "git push" to publish your local commits)

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git checkout master
Already on 'master'
Your branch is ahead of 'origin/master' by 3 commits.
  (use "git push" to publish your local commits)

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git add hello.xml

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git commit -m "Updated hello.xml on the master branch"
On branch master
Your branch is ahead of 'origin/master' by 3 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git diff master GitWork -- hello.xml

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git merge GitWork
Merge made by the 'ort' strategy.

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git mergetool

This message is displayed because 'merge.tool' is not configured.
See 'git mergetool --tool-help' or 'git help config' for more details.
'git mergetool' will now attempt to use one of the following tools:
opendiff kdiff3 tkdiff xxdiff meld tortoisemerge gvimdiff diffuse diffmerge ecmerge p4merge araxis bc codecompare smerge emerge vimdiff nvimdiff
No files need merging
```

```
nothing to commit, working tree clean

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git log --oneline --graph --decorate --all
*   938811f (HEAD -> master) Merge branch 'GitWork'
|\
| * 04ef8e8 (GitWork) Updated hello.xml on the GitWork branch
* | a5785f0 Updated hello.xml on the GitWork branch
* | c8d79f5 Updated hello.xml on the master branch
|/
* 44984eb Add new_feature.txt file
* 2f89881 (origin/master) Add .gitignore to ignore log files and folders
* d0163ae Initial commit: Added welcome.txt file

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git branch -d GitWork
Deleted branch GitWork (was 04ef8e8).

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git log --oneline --graph --decorate
*   938811f (HEAD -> master) Merge branch 'GitWork'
|\
| * 04ef8e8 Updated hello.xml on the GitWork branch
* | a5785f0 Updated hello.xml on the GitWork branch
* | c8d79f5 Updated hello.xml on the master branch
|/
* 44984eb Add new_feature.txt file
* 2f89881 (origin/master) Add .gitignore to ignore log files and folders
* d0163ae Initial commit: Added welcome.txt file

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ ^C

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git reset --hard 44984eb
HEAD is now at 44984eb Add new_feature.txt file

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git log --oneline --graph --decorate
* 44984eb (HEAD -> master) Add new_feature.txt file
* 2f89881 (origin/master) Add .gitignore to ignore log files and folders
* d0163ae Initial commit: Added welcome.txt file

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git merge GitWork
merge: GitWork - not something we can merge

harshith@DESKTOP-CPP7C7N MINGW64 /d/Development/GitDemo (master)
$ git log --oneline --graph --decorate
* 44984eb (HEAD -> master) Add new_feature.txt file
* 2f89881 (origin/master) Add .gitignore to ignore log files and folders
```