

GitLab : <https://gitlab.com/UdayBhaskarSingipurapu/gitdemo>

```
Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (main)
$ git branch GitNewBranch
```

MINGW64~/Users/Jeshni/GitDemo

```
Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (main)
$ git checkout -b GitNewBranch
fatal: a branch named 'GitNewBranch' already exists

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (main)
$ git branch
  GitNewBranch
* main

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (main)
$ git branch -r
  origin/main

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (main)
$ git branch -a
  GitNewBranch
* main
  remotes/origin/main

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (main)
$ git checkout GitNewBranch
Switched to branch 'GitNewBranch'

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (GitNewBranch)
$ echo "Contents of File 1" > file1.txt

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (GitNewBranch)
$ echo "Contents of File 2" > file12.txt

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (GitNewBranch)
$ git status
On branch GitNewBranch
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        file1.txt
        file12.txt

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

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (GitNewBranch)
$ git add file1.txt file2.txt
fatal: pathspec 'file2.txt' did not match any files

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (GitNewBranch)
$ git add file1.txt file12.txt
warning: in the working copy of 'file1.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'file12.txt', LF will be replaced by CRLF the next time Git touches it

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (GitNewBranch)
$ git commit -m "Added file1 and file2 in GitNewBranch"
(GitNewBranch 88da357) Added file1 and file2 in GitNewBranch
 2 files changed, 2 insertions(+)
 create mode 100644 file1.txt
 create mode 100644 file12.txt
```

```
Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (master)
$ git diff main..GitNewBranch
diff --git a/file1.txt b/file1.txt
new file mode 100644
index 0000000..43c2f98
--- /dev/null
+++ b/file1.txt
@@ -0,0 +1 @@
+Contents of File 1
diff --git a/file12.txt b/file12.txt
new file mode 100644
index 0000000..069a591
--- /dev/null
+++ b/file12.txt
@@ -0,0 +1 @@
+Contents of File 2

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (master)
$ git config --global diff.tool p4merge

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (master)
$ git config --global difftool.p4merge.path "C:/Program Files/Perforce/p4merge.exe"

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (master)
$ git config --global merge.tool p4merge

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (master)
$ git config --global mergetool.p4merge.path "C:/Program Files/Perforce/p4merge.exe"

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (master)
$ git difftool main..GitNewBranch

Viewing (1/2): 'file1.txt'
Launch 'p4merge' [Y/n]? y

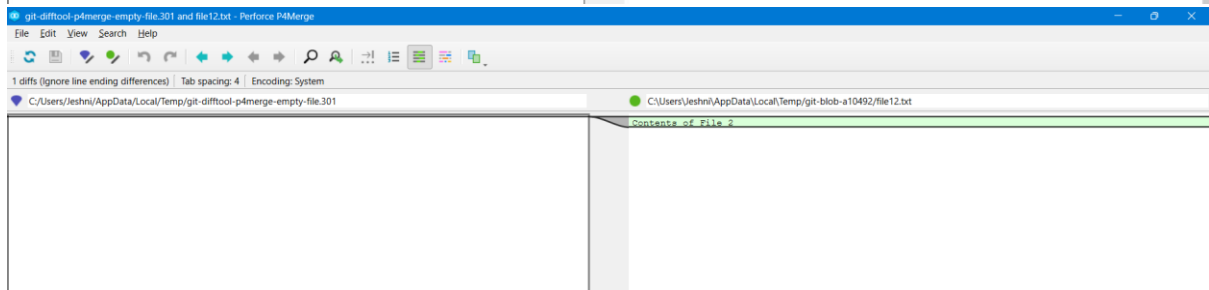
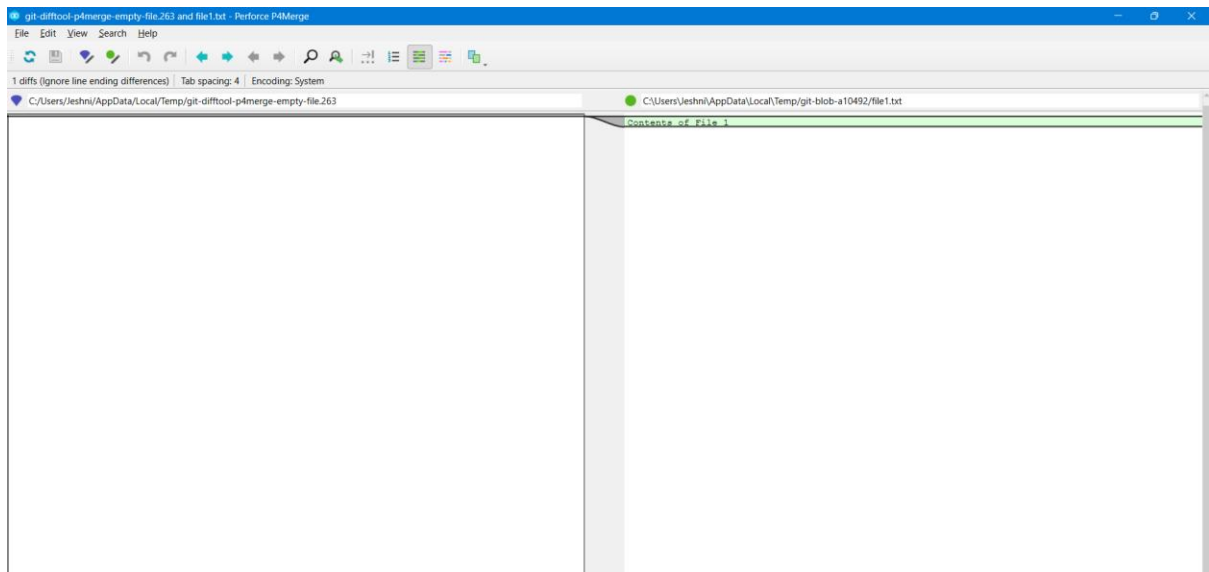
Viewing (2/2): 'file12.txt'
Launch 'p4merge' [Y/n]? y

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (master)
$ git mergetool
No files need merging

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (master)
$ git branch
  GitNewBranch
* main

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (master)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (main)
$ git branch
  GitNewBranch
* main
```



```
jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (master)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (main)
$ git branch
  GitNewBranch
* main
  master

jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (main)
$ git merge GitNewBranch
Updating 3dcef65..b8da357
Fast-forward
 file1.txt | 1 +
 file12.txt | 1 +
 2 files changed, 2 insertions(+)
 create mode 100644 file1.txt
 create mode 100644 file12.txt

jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (main)
$ git log --oneline --graph --decorate
* b8da357 (HEAD -> main, master, GitNewBranch) Added file1 and file2 in GitNewBranch
* 3dcef65 (origin/main) git-ignore
* 1944c6e Add welcome.txt

jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (main)
$ git branch -d GitNewBranch
Deleted branch GitNewBranch (was b8da357).

jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

jeshni@JESHNI-SIMHACHALAM MINGW64 ~/GitDemo (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 421 bytes | 421.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://gitlab.com/UdayBhaskarSingipurapu/gitdemo.git
  3dcef65..b8da357  main -> main
```