

1. Create a new branch “**GitNewBranch**”.
2. List all the local and remote branches available in the current trunk. Observe the “\*” mark which denote the current pointing branch.
3. Switch to the newly created branch. Add some files to it with some contents.
4. Commit the changes to the branch.
5. Check the status with “**git status**” command.

```

ak075@win MINGW64 ~/GitDemo (master)
$ git checkout -b GitNewBranch
Switched to a new branch 'GitNewBranch'

ak075@win MINGW64 ~/GitDemo (GitNewBranch)
$ git branch
* GitNewBranch
  master

ak075@win MINGW64 ~/GitDemo (GitNewBranch)
$ echo "From branch GitNewBranch"
From branch GitNewBranch

ak075@win MINGW64 ~/GitDemo (GitNewBranch)
$ echo "From branch GitNewBranch" feature.txt
From branch GitNewBranch feature.txt

ak075@win MINGW64 ~/GitDemo (GitNewBranch)
$ git add feature.txt
fatal: pathspec 'feature.txt' did not match any files

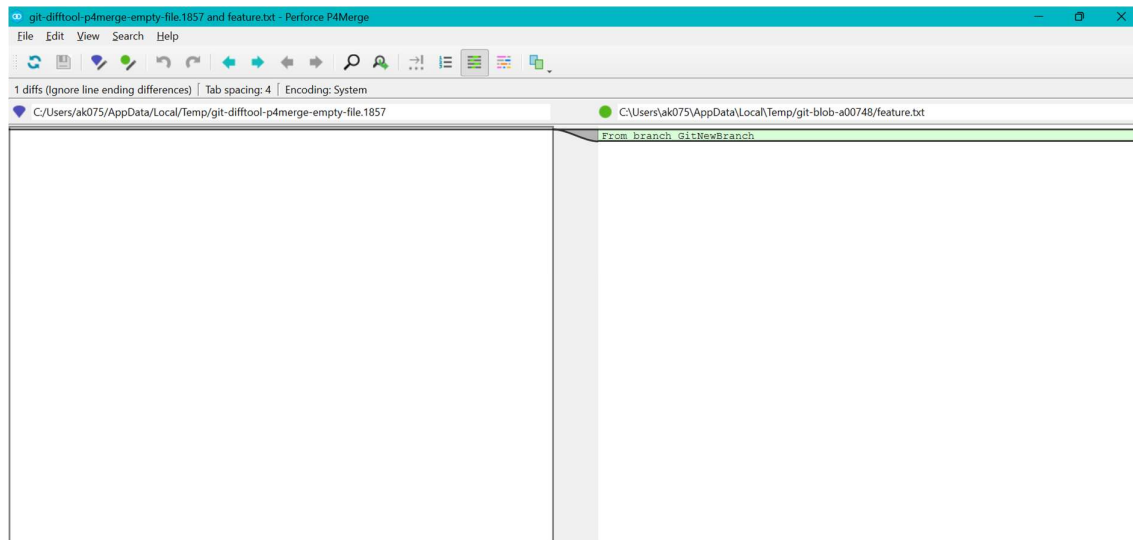
ak075@win MINGW64 ~/GitDemo (GitNewBranch)
$ echo "From branch GitNewBranch"> feature.txt

ak075@win MINGW64 ~/GitDemo (GitNewBranch)
$ git add feature.txt
warning: in the working copy of 'feature.txt', LF will be replaced by CRLF the n
ext time git touches it

ak075@win MINGW64 ~/GitDemo (GitNewBranch)
$ git commit -m "added feature.txt"
[GitNewBranch 46bf914] added feature.txt
1 file changed, 1 insertion(+)
create mode 100644 feature.txt

```

1. Switch to the master
2. List out all the differences between trunk and branch. These provide the differences in command line interface.
3. List out all the visual differences between master and branch using **P4Merge tool**.
4. Merge the source branch to the trunk.
5. Observe the logging after merging using “**git log --oneline --graph --decorate**”
6. Delete the branch after merging with the trunk and observe the git status.



```
ak075@win MINGW64 ~/GitDemo (master)
$ git merge GitNewBranch
Updating d9f77a8..46bf914
Fast-forward
 feature.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 feature.txt

ak075@win MINGW64 ~/GitDemo (master)
$ git log --online --graph --decorate
fatal: unrecognized argument: --online

ak075@win MINGW64 ~/GitDemo (master)
$ git log --oneline --graph --decorate
* 46bf914 (HEAD -> master, GitNewBranch) added feature.txt
* d9f77a8 (origin/master) added .gitignore
* c516850 Merge Gitwork into master
|\
| * 0356b5a added hello.xml in new branch
| * | a45e692 Added hello.xml in master
|/
* 87d13ae new file
* a17ee45 Ignore .log
* c10e9f1 Ignore .log
* a529188 message

ak075@win MINGW64 ~/GitDemo (master)
$ git branch -d GitNewBranch
Deleted branch GitNewBranch (was 46bf914).

ak075@win MINGW64 ~/GitDemo (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)
```