

Branching:

```
MINGW64/c/Users/Admin/GitDemo
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 312 bytes | 312.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/sid15042004/demoRepo.git
   09a5445..eall1a07  main -> main

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (main)
$ git branch GitNewBranch

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (main)
$ git branch -a
* main
  remotes/origin/main

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (main)
$ git checkout GitNewBranch
Switched to branch 'GitNewBranch'

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (GitNewBranch)
$ echo "This file is in GitNewBranch" > branchfile.txt

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (GitNewBranch)
$ git add branchfile.txt
warning: in the working copy of 'branchfile.txt', LF will be replaced by CRLF
the next time Git touches it

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (GitNewBranch)
$ git commit -m "Add branchfile.txt in GitNewBranch"
[GitNewBranch f86e6aa] add branchfile.txt in GitNewBranch
1 file changed, 1 insertion(+)
 create mode 100644 branchfile.txt

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (GitNewBranch)
$ git status
On branch GitNewBranch
nothing to commit, working tree clean

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (GitNewBranch)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
```

Merging:

```
MINGW64/c/Users/Admin/GitDemo
No files need merging

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (main)
$ ^C

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (main)
$ git checkout main
Already on 'main'
Your branch is up to date with 'origin/main'.

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (main)
$ git merge GitNewBranch
Updating eall1a07..f86e6aa
Fast-forward
 branchfile.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 branchfile.txt

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (main)
$ git log --oneline --graph --decorate
* f86e6aa (HEAD -> main, GitNewBranch) add branchfile.txt in GitNewBranch
* eall1a07 (origin/main) Addd .gitignore to ignore .log files and log folder
* 09a5445 Added welcome.txt file

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (main)
$ git branch -d GitNewBranch
error: branch 'GitNewBranch' not found

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (main)
$ git branch -d GitNewBranch
Deleted branch GitNewBranch (was f86e6aa).

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 360 bytes | 360.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/sid15042004/demoRepo.git
   eall1a07..f86e6aa  main -> main

Admin@DESKTOP-N2DRSBN MINGW64 ~/GitDemo (main)
$ |
```