

WEEK 8 - GIT EX 3

1. go to repository folder

```
cd ~/GitDemo
```

2. create a new branch

```
git branch GitNewBranch
```

3. list all branches

```
git branch -a
```

4. switch to the new branch

```
git checkout GitNewBranch
```

5. create a file in the new branch

```
echo "this is from GitNewBranch" > branchfile.txt
```

6. stage and commit the new file

```
git add branchfile.txt  
git commit -m "added branchfile.txt in GitNewBranch"
```

7. check branch status

```
git status
```

8. switch back to master

```
git checkout master
```

9. list differences between master and the branch

```
git diff master GitNewBranch
```

10. merge the branch into master

```
git merge GitNewBranch
```

11. view log after merging

```
git log --oneline --graph --decorate
```

12. delete the branch

```
git branch -d GitNewBranch
```

13. check status

```
git status
```

14. push final changes to remote

```
git push
```

OUTPUT

```

+this is from GitNewBranch

NO@DESKTOP-3CSNJRQ MINGW64 ~/GitDemo (master)
$ ^[[200~git merge GitNewBranch
bash: $'\E[200~git': command not found

NO@DESKTOP-3CSNJRQ MINGW64 ~/GitDemo (master)
$ git merge GitNewBranch
Updating 1523963..4212494
Fast-forward
 branchfile.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 branchfile.txt

NO@DESKTOP-3CSNJRQ MINGW64 ~/GitDemo (master)
$ git log --oneline --graph --decorate
* 4212494 (HEAD -> master, GitNewBranch) added branchfile.txt in GitNewBranch
* 1523963 (origin/master) ignore log files and log folder
* 1629148 updated welcome.txt
* 3d322d4 added welcome.txt

NO@DESKTOP-3CSNJRQ MINGW64 ~/GitDemo (master)
$ git branch -d GitNewBranch
Deleted branch GitNewBranch (was 4212494).

NO@DESKTOP-3CSNJRQ 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)

nothing to commit, working tree clean

NO@DESKTOP-3CSNJRQ MINGW64 ~/GitDemo (master)
$ ^C

NO@DESKTOP-3CSNJRQ MINGW64 ~/GitDemo (master)
$ git push
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), 355 bytes | 355.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Harsshine/GitDemo
 1523963..4212494  master -> master

NO@DESKTOP-3CSNJRQ MINGW64 ~/GitDemo (master)
$ |

```