

Module-2: GIT Assignment - 3

You have been asked to:

- Create a git working directory, with the following branches
 - Develop
 - F1
 - f2
- In the master branch, commit main.txt file
- Put develop.txt in develop branch, f1.txt and f2.txt in f1 and f2 respectively
- Push all these branches to github
- On local delete f2 branch
- Delete the same branch on github as well

Solution:

Create a git working directory, with the following branches

- **Develop**
- **F1**
- **f2**

- 1) `cd path/to/your/repository`
- 2) Create and switch to develop branch-----`git checkout -b develop`
- 3) Create and switch to feature1 branch-----`git checkout -b feature1`
- 4) Create and switch to feature2 branch-----`git checkout -b feature2`

```
git $pwd
/c/Users/bhats/.git
git $git checkout -b develop
Switched to a new branch 'develop'
git $git checkout -b feature1
Switched to a new branch 'feature1'
git $git checkout -b feature2
Switched to a new branch 'feature2'
git $
```

In the master branch, commit main.txt file

- 1) Check the branches ----- `git branch`

```
git $git branch
* develop
feature1
feature2
master
```

- 2) Switch to the master branch----- git checkout master

```
git $git checkout master
Switched to branch 'master'
git $|
```

- 3) Create the main.txt file ----- touch main.txt
- 4) Stage the main.txt file ----- git add main.txt
- 5) Commit the file ----- git commit -m "Add main.txt file"

```
git $touch main.txt
git $git add main.txt
git $git commit -m "Add main.txt file"
[master 0a8e71c] Add main.txt file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 main.txt
git $|
```

Put develop.txt in develop branch, f1.txt and f2.txt in f1 and f2 respectively

- 1) Switch to the develop branch----- git checkout develop
- 2) Create the develop.txt file----- touch develop.txt

```
git $git checkout develop
Switched to branch 'develop'
git $touch develop.txt
git $|
```

- 3) Switch to the feature1 branch----- git checkout feature1
- 4) Create the f1.txt file----- touch f1.txt

```
git $git checkout feature1
Switched to branch 'feature1'
git $touch f1.txt
git $|
```

- 5) To view the file ----- ls

```
git $touch f1.txt
git $^C
git $ ls
COMMIT_EDITMSG  ORIG_HEAD  description  hooks/  logs/  refs/
FETCH_HEAD     README.md  devops/     index   new.txt test/
HEAD           config     f1.txt      info/   objects/
git $|
```

- 6) Switch to the feature2 branch----- git checkout feature2
- 7) Create the f2.txt file----- touch f2.txt

```
git $git checkout feature2
Switched to branch 'feature2'
git $touch f2.txt
```

Push all these branches to github

- 1) Push the develop branch ----- git push https://github.com/poulomi-design999/Devops.git develop
(<https://github.com/poulomi-design999/Devops.git> = origin)

```
git $git push https://github.com/poulomi-design999/Devops.git develop
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 16 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (7/7), 552 bytes | 276.00 KiB/s, done.
Total 7 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'develop' on GitHub by visiting:
remote:   https://github.com/poulomi-design999/Devops/pull/new/develop
remote:
To https://github.com/poulomi-design999/Devops.git
 * [new branch]      develop -> develop
git $
```

- 2) Push the feature1 branch ----- git push https://github.com/poulomi-design999/Devops.git feature1

```
git $git push https://github.com/poulomi-design999/Devops.git feature1
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 290 bytes | 290.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature1' on GitHub by visiting:
remote:   https://github.com/poulomi-design999/Devops/pull/new/feature1
remote:
To https://github.com/poulomi-design999/Devops.git
 * [new branch]      feature1 -> feature1
git $
```

- 3)
- 4) Push the feature2 branch ----- git push https://github.com/poulomi-design999/Devops.git feature2

```
git $git push https://github.com/poulomi-design999/Devops.git feature2
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature2' on GitHub by visiting:
remote:   https://github.com/poulomi-design999/Devops/pull/new/feature2
remote:
To https://github.com/poulomi-design999/Devops.git
 * [new branch]      feature2 -> feature2
git $
```

On local delete f2 branch

- 1) Switch to a different branch ----- git checkout develop
- 2) Delete the feature2 branch locally ----- git branch -d feature2

```
git $git checkout develop
Switched to branch 'develop'
git $git branch -d feature2
Deleted branch feature2 (was d8db44e).
git $
```

Delete the same branch on github as well

- 1) Delete the feature2 branch on the remote repository -----
git push <https://github.com/poulomi-design999/Devops.git> --delete feature2

```
git $git push https://github.com/poulomi-design999/Devops.git --delete feature2
To https://github.com/poulomi-design999/Devops.git
- [deleted]          feature2
git $
```