

Demo1: Demo on difference between git and git flow.

Problem Statement:

In this demo we will Show commands to see difference between git and git flow.

Solution Steps:

Initialize 'GIT BASH' in two different directories, one for 'GIT' and other for 'GIT FLOW'.
 In GIT directory only you need to CLONE any GITHUB repository which you have created in previous module demo using 'GIT CLONE' command. Now you will learn difference between GIT and GIT FLOW commands.



Command to initialize GIT:

git init

GIT FLOW

Command to initialize GIT FLOW:

git flow init

```
bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (master)

$ git flow init
No branches exist yet. Base branches must be created now.
Branch name for production releases: [master]
Branch name for "next release" development: [develop]

How to name your supporting branch prefixes?
Feature branches? [feature/]
Bugfix branches? [bugfix/]
Release branches? [release/]
Hotfix branches? [notfix/]
Support branches? [support/]
Version tag prefix? []
Hooks and filters directory? [D:/Git Flow Demo/.git/hooks]

bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (develop)

$ |
```

2. Command to create FEATURE branch.

GIT git branch feature

Command to switch from MAIN branch to FEATURE branch in GIT:

git checkout feature

GITFLOW

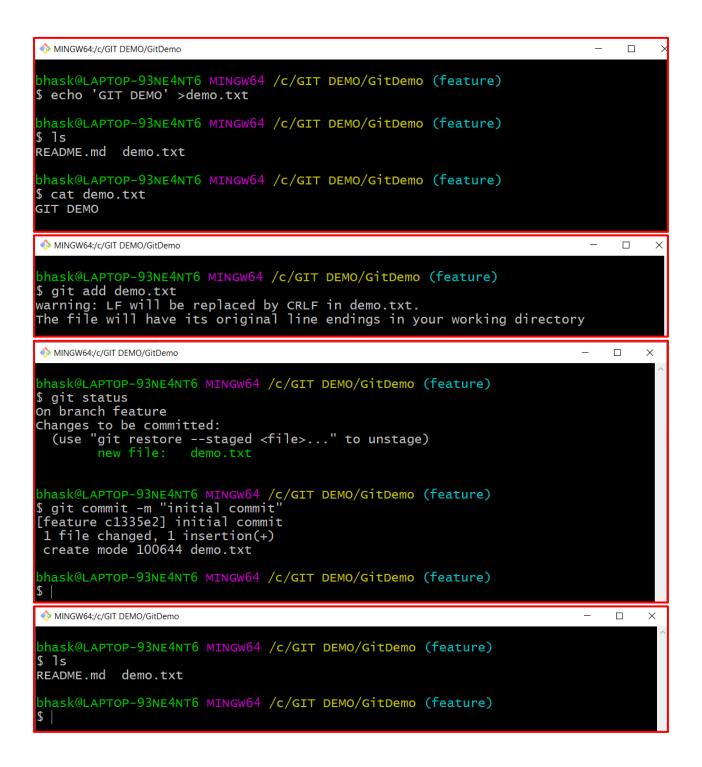
Command to create and switch to FEATURE branch in GIT FLOW:

git flow feature start feature_demo

3. Commands to navigate back to **MASTER/MAIN** branch and merge the changes to **MASTER/MAIN** branch.



Now create text file in **'FEATURE'** Branch in **GIT** and **GIT FLOW** projects, respectively. Then **ADD** the text file in staging area and perform the **COMMIT**. Refer the below screenshots.



4. Now checkout to **'MAIN'** branch using command: git checkout main

```
bhask@LAPTOP-93NE4NT6 MINGW64 /c/GIT DEMO/GitDemo (feature)

$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

bhask@LAPTOP-93NE4NT6 MINGW64 /c/GIT DEMO/GitDemo (main)

$ ls
README.md

bhask@LAPTOP-93NE4NT6 MINGW64 /c/GIT DEMO/GitDemo (main)

$ |
```

5. To add the **FEATURE BRANCH** files into **MAIN BRANCH** use **MERGE** command in **GIT**: git merge feature

```
MINGW64:/c/GIT DEMO/GitDemo
                                                                                П
                                                                                     X
bhask@LAPTOP-93NE4NT6 MINGW64 /c/GIT DEMO/GitDemo (main)
 git merge feature
Updating 342b06d..c1335e2
Fast-forward
demo.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 demo.txt
bhask@LAPTOP-93NE4NT6 MINGW64 /c/GIT DEMO/GitDemo (main)
$
bhask@LAPTOP-93NE4NT6 MINGW64 /c/GIT DEMO/GitDemo (main)
$ ls
README.md demo.txt
bhask@LAPTOP-93NE4NT6 MINGW64 /c/GIT DEMO/GitDemo (main)
$
```

6. GITFLOW

Use the same command mentioned above to create **text file**. **ADD** it in stage are area and **COMMIT** the changes.

Then finish the **FEATURE** branch to move the changes from **FEATURE** branch to **DEVELOP** branch using command:

git flow feature finish feature_demo

```
bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (feature/feature_demo)

$ git flow feature finish feature_demo
Switched to branch 'develop'
Updating 1dec74d..74d864d
Fast-forward
demo.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 demo.txt
Deleted branch feature/feature_demo (was 74d864d).

Summary of actions:
- The feature branch 'feature/feature_demo' was merged into 'develop'
- Feature branch 'feature/feature_demo' has been locally deleted
- You are now on branch 'develop'

bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (develop)

$ |
```

7. Start the release process based on your 'DEVELOP' branch using command:

git flow release start release 1.0

```
bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (develop)

$ git flow release start release1.0

Switched to a new branch 'release/release1.0'

Summary of actions:

- A new branch 'release/release1.0' was created, based on 'develop'

- You are now on branch 'release/release1.0'

Follow-up actions:

- Bump the version number now!

- Start committing last-minute fixes in preparing your release

- When done, run:

git flow release finish 'release1.0'

bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (release/release1.0)

$ |
```

8. Finish the **'RELEASE1.0'** branch to merge your files to **'MASTER'** branch using command: git flow release finish **'release1.0'**

9. You will be navigated back to 'Master' branch from 'Develop' branch. Your changes are also copied to MASTER branch.

```
bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (master)
$ ls
demo.txt
bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (master)
$ |
```