

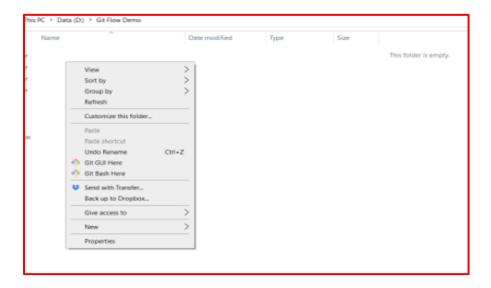
Demo2: Demo on execution on movement of code from feature branch to master/main branch using git flow.

Problem Statement:

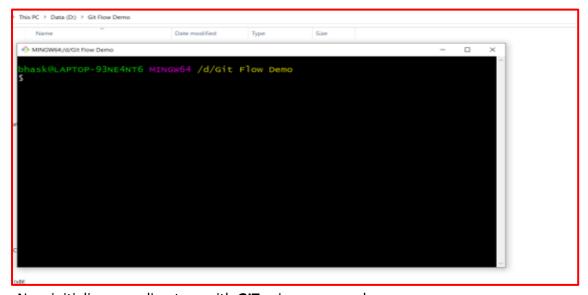
How to move code from feature branch to master/main branch using git flow.

Solution Steps:

1. Navigate to any directory path in you local system and create **NEW FOLDER** as **'Git Flow Demo'** and **ENTER** to the folder. Now right click your mousepad and select **'Git Bash Here'** from the list as shown in below screenshot.



2. 'Git Bash' launched successfully.



3. Now initialize your directory with **GIT** using command:

Git init

4. Now initialise 'GIT FLOW' using command:

git init flow

You will get option to provide name to different type of branches. Keep everything as **DEFAULT** and click on ENTER.

```
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? [release/]
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)
$ |
```

5. Now you will be switched from 'Master' branch to 'Develop' branch. Now confirm the current branch using command:

git branch -a

```
bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (develop)
$ git branch -a
* develop
  master

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

6. Now create **'Feature Branch'** using command:

git flow feature start feature demo

7. Now create one new **text file** inside **Feature Branch** using command:

echo 'This is GITFLOW Demo' >demo.txt

```
bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (feature/feature_demo)
$ echo 'This is GITFLOW Demo' >demo.txt

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

8. Now list your current directory to confirm the creation of **demo.txt file** using command:

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

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

9. Use below command to validate the **demo.txt file** content.

cat demo.txt

```
bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (feature/feature_demo)
$ cat demo.txt
This is GITFLOW Demo

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

10. Now add your demo.txt file to stage area using command.

git add demo.txt

```
bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (feature/feature_demo)
$ git add demo.txt
warning: LF will be replaced by CRLF in demo.txt.
The file will have its original line endings in your working directory
bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (feature/feature_demo)
$ |
```

11. To check the current status of your working directory use below command:

git status

12. Now commit your changes using command:

git command -m "initial command"

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

$ git commit -m "initial commit"
[feature/feature_demo 74d864d] initial commit

1 file changed, 1 insertion(+)
create mode 100644 demo.txt

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

$ |
```

13. Now to confirm the current branch use command:

git branch

```
bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (feature/feature_demo)
$ git branch
   develop
* feature/feature_demo
   master

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

14. Now **finish** the **FEATURE** branch to move our changes 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 ldec74d..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)

$ |
```

15. You will be navigated back to **'DEVELOP'** branch from **'Feature'** branch. Now list the directory to confirm the push of **'demo.txt'** file from **'Feature'** branch to **'DEVELOP'** branch using command:

ls

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

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

16. Now start the **release process** based on your **'DEVELOP'** branch using command: **git flow release start release1.0**

17. You will see a new 'RELEASE1.0' branch is created successfully. To confirm the current branch use command:

git branch

```
bhask@LAPTOP-93NE4NT6 MINGW64 /d/Git Flow Demo (release/release1.0)
$ git branch
  develop
  master
* release/release1.0

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

18. Now finish the 'RELEASE1.0' branch to merge your files to 'MASTER' branch using command: git flow release finish 'release1.0'

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

$ git flow release finish 'release1.0'

Switched to branch 'master'

Merge made by the 'recursive' strategy.

demo.txt | 1 +

1 file changed, 1 insertion(+)

create mode 100644 demo.txt

Already on 'master'

fatal: no tag message?

Fatal: Tagging failed. Please run finish again to retry.

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

$ |
```

19. You will be navigated back to 'Master' branch from 'Develop' branch. Now list the directory to confirm the push of 'demo.txt' file from 'Develop' branch to 'Master' branch using command:

Is

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

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