

Assignment 3: Feature Branches and Hotfixes

Create a 'hotfix' branch to fix an issue in the main code. Merge the 'hotfix' branch into 'main' ensuring that the issue is resolved.

```
syamv@MSI MINGW64 ~/Documents/Git_Exploration/files (feature)
$ git branch hotfix
```

```
syamv@MSI MINGW64 ~/Documents/Git_Exploration/files (feature)
$ git checkout hotfix
Switched to branch 'hotfix'
```

```
syamv@MSI MINGW64 ~/Documents/Git_Exploration/files (hotfix)
$ cd -
/c/Users/syamv/Documents/Git_Exploration
```

```
syamv@MSI MINGW64 ~/Documents/Git_Exploration (hotfix)
$ git status
On branch hotfix
Your branch is up to date with 'origin/hotfix'.
```

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: test.txt

no changes added to commit (use "git add" and/or "git commit -a")

```
syamv@MSI MINGW64 ~/Documents/Git_Exploration (hotfix)
$ git add .
warning: in the working copy of 'test.txt', LF will be replaced by CRLF the next time Git
touches it
```

```
syamv@MSI MINGW64 ~/Documents/Git_Exploration (hotfix)
$ git status
On branch hotfix
Your branch is up to date with 'origin/hotfix'.
```

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: test.txt

```
syamv@MSI MINGW64 ~/Documents/Git_Exploration (hotfix)
$ git commit -m "changed"
[hotfix 2f20735] changed
1 file changed, 1 insertion(+)
```

```
syamv@MSI MINGW64 ~/Documents/Git_Exploration (hotfix)
$ git push -u origin hotfix
Enumerating objects: 5, done.
```

Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 280 bytes | 280.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To <https://github.com/VSyamprasad13/sample.git>
b3322fc..2f20735 hotfix -> hotfix
branch 'hotfix' set up to track 'origin/hotfix'.

syamv@MSI MINGW64 ~/Documents/Git_Exploration (hotfix)
\$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

syamv@MSI MINGW64 ~/Documents/Git_Exploration (master)
\$ git merge hotfix
Updating b3322fc..2f20735
Fast-forward
test.txt | 1 +
1 file changed, 1 insertion(+)

syamv@MSI MINGW64 ~/Documents/Git_Exploration (master)
\$ git push -u origin master
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To <https://github.com/VSyamprasad13/sample.git>
b3322fc..2f20735 master -> master
branch 'master' set up to track 'origin/master'.