

### 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.

Ans:

```
MINGW64:/c:/Users/tusha/OneDrive/Desktop/assignment1

tusha@DESKTOP-NESEJCI MINGW64 ~/OneDrive/Desktop/assignment1 (feature)
$ git checkout -b hotfix
Switched to a new branch 'hotfix'

tusha@DESKTOP-NESEJCI MINGW64 ~/OneDrive/Desktop/assignment1 (hotfix)
$ echo "fixed issue in main" >> myfile.txt

tusha@DESKTOP-NESEJCI MINGW64 ~/OneDrive/Desktop/assignment1 (hotfix)
$ git add myfile.txt
warning: in the working copy of 'myfile.txt', LF will be replaced by CRLF the next time Git touches it

tusha@DESKTOP-NESEJCI MINGW64 ~/OneDrive/Desktop/assignment1 (hotfix)
$ git commit -m "fixed issue in hotfix branch"
[hotfix f72adeb] fixed issue in hotfix branch
1 file changed, 1 insertion(+)

tusha@DESKTOP-NESEJCI MINGW64 ~/OneDrive/Desktop/assignment1 (hotfix)
$ git checkout main
error: pathspec 'main' did not match any file(s) known to git

tusha@DESKTOP-NESEJCI MINGW64 ~/OneDrive/Desktop/assignment1 (hotfix)
$ git checkout master
Switched to branch 'master'

tusha@DESKTOP-NESEJCI MINGW64 ~/OneDrive/Desktop/assignment1 (master)
$ git merge hotfix
Updating 87166fa..f72adeb
Fast-forward
 myfile.txt | 2 ++
1 file changed, 2 insertions(+)

tusha@DESKTOP-NESEJCI MINGW64 ~/OneDrive/Desktop/assignment1 (master)
$ cat myfile.txt
This is my first file in repo
additional text
fixed issue in main

tusha@DESKTOP-NESEJCI MINGW64 ~/OneDrive/Desktop/assignment1 (master)
$ git branch -d hotfix
Deleted branch hotfix (was f72adeb).

tusha@DESKTOP-NESEJCI MINGW64 ~/OneDrive/Desktop/assignment1 (master)
$
```