❖ 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.

```
Rahul@DESKTOP-TAR1F8I MINGW64 /d/Rahul_project (master)
$ git checkout master
Already on 'master'
M       rahul.txt

Rahul@DESKTOP-TAR1F8I MINGW64 /d/Rahul_project (master)
$ git checkout -b hotfix-issue
Switched to a new branch 'hotfix-issue'

Rahul@DESKTOP-TAR1F8I MINGW64 /d/Rahul_project (hotfix-issue)
$ git add .

Rahul@DESKTOP-TAR1F8I MINGW64 /d/Rahul_project (hotfix-i
ssue)
$ git commit -m "Fix issue for assignment 3
"
[hotfix-issue 58dcf7c] Fix issue for assign
ment 3
 1 file changed, 2 insertions(+)
```

```
Rahul@DESKTOP-TAR1F8I MINGW64 /d/Rahul_proj
ect (hotfix-issue)
$ git push origin hotfix-issue
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 326 bytes | 32
6.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack
-reused 0 (from 0)
remote:
remote: Create a pull request for 'hotfix-i
ssue' on GitHub by visiting:
remote:        https://github.com/Rahul-choud
hary10/Rahul_project/pull/new/hotfix-issue
remote:
To https://github.com/Rahul-choudhary10/Rah
ul_project.git
 * [new branch]        hotfix-issue -> hotfix
-issue
```

❖ Create a Pull Request (PR) on GitHub
  a) Go to your repository on GitHub.
  b) Click on the 'Pull requests' tab.
  c) Click 'New pull request'.
  d) Set the base branch to 'main' and the compare branch to 'hotfix-issue'.
  e) Click 'Create pull request' and provide a brief description of the changes made.

❖ Merge the Pull Request on GitHub
  a) After the PR is reviewed and approved, click 'Merge pull request'.
  b) Confirm the merge by clicking 'Confirm merge'.
  c) (Optional) Delete the 'hotfix-issue' branch on GitHub if it is no longer needed.

```
Rahul@DESKTOP-TAR1F8I MINGW64 /d/Rahul_proj
ect (hotfix-issue)
$ git checkout master
Switched to branch 'master'

Rahul@DESKTOP-TAR1F8I MINGW64 /d/Rahul_proj
ect (master)
$ git pull origin master
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta
0), pack-reused 0
Unpacking objects: 100% (1/1), 923 bytes |
307.00 KiB/s, done.
From https://github.com/Rahul-choudhary10/R
ahul_project
 * branch            master      -> FETCH_HE
AD
   f5b69e6..bde3594  master      -> origin/m
aster
Updating f5b69e6..bde3594
Fast-forward
 rahul.txt | 2 ++
 1 file changed, 2 insertions(+)
```