

### 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.

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rps@rps-Standard-PC-Q35-ICH9-2009: ~/my-file
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git checkout main
error: pathspec 'main' did not match any file(s) known to git
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git checkout master
Switched to branch 'master'
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git checkout -b hotfix
Switched to a new branch 'hotfix'
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ echo "Fixing a Critical issue." >> Sravana.txt
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git add Sravana.txt
fatal: pathspec 'Sravana.txt' did not match any files
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git add file.txt
fatal: pathspec 'file.txt' did not match any files
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git add megha.txt
fatal: pathspec 'megha.txt' did not match any files
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git add Megha.txt
[hotfix 7fb7ded] Fix critical issue in master code
1 file changed, 1 insertion(+)
create mode 100644 Megha.txt
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git checkout master
Switched to branch 'master'
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git merge hotfix
Updating c62b564..7fb7ded
Fast-forward
 Megha.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 Megha.txt
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git add Megha.txt
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git commit
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  Sravana.txt

nothing added to commit but untracked files present (use "git add" to track)
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git commit -m "Megha.txt"
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  Sravana.txt

nothing added to commit but untracked files present (use "git add" to track)
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git add Megha.txt
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git commit
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  Sravana.txt

nothing added to commit but untracked files present (use "git add" to track)
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git add Sravana.txt
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git commit -m "Added Sravana File"
[master 76854a4] Added Sravana File
1 file changed, 1 insertion(+)
create mode 100644 Sravana.txt
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git add Megha.txt
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git commit -m "Megha file Added"
nothing to commit, working tree clean
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git commit
nothing to commit, working tree clean
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ cat Megha.txt
Fixing a Critical issue.
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git status
nothing to commit, working tree clean
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$ git log --oneline
76854a4 (HEAD -> master) Added Sravana File
7fb7ded (hotfix) Fix critical issue in master code
c62b564 Hello File Added
rps@rps-Standard-PC-Q35-ICH9-2009:~/my-file$
```