

# Git Merge

MINGW64:/c/myrepo

```
sivae@Siva MINGW64 /c/myrepo (hotfix)
$ git checkout feature
Switched to branch 'feature'

sivae@Siva MINGW64 /c/myrepo (feature)
$ vim prasuu.txt

sivae@Siva MINGW64 /c/myrepo (feature)
$ git status
On branch feature
nothing to commit, working tree clean

sivae@Siva MINGW64 /c/myrepo (feature)
$ vim prasuu.txt

sivae@Siva MINGW64 /c/myrepo (feature)
$ git status
On branch feature
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:   prasuu.txt

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

sivae@Siva MINGW64 /c/myrepo (feature)
$ git add .

sivae@Siva MINGW64 /c/myrepo (feature)
$ git commit -m "Changed prasuu.txt from feature branch"
[feature e5eda31] Changed prasuu.txt from feature branch
1 file changed, 1 insertion(+), 1 deletion(-)

sivae@Siva MINGW64 /c/myrepo (feature)
$ git checkout hotfix
Switched to branch 'hotfix'

sivae@Siva MINGW64 /c/myrepo (hotfix)
$ cat prasuu.txt
This is my first git commit

sivae@Siva MINGW64 /c/myrepo (hotfix)
$ vim prasuu.txt

sivae@Siva MINGW64 /c/myrepo (hotfix)
$ git add .

sivae@Siva MINGW64 /c/myrepo (hotfix)
$ git commit -m "Added a line to prasuu.txt from feature branch"
[hotfix f26e5f7] Added a line to prasuu.txt from feature branch
1 file changed, 1 insertion(+)

sivae@Siva MINGW64 /c/myrepo (hotfix)
$ git merge feature
Auto-merging prasuu.txt
CONFLICT (content): Merge conflict in prasuu.txt
Automatic merge failed; fix conflicts and then commit the result.
```



Search



MINGW64:/c/myrepo

```
$ cat prasuu.txt  
This is my first git commit
```

```
sivae@Siva MINGW64 /c/myrepo (hotfix)  
$ vim prasuu.txt
```

```
sivae@Siva MINGW64 /c/myrepo (hotfix)  
$ git add .
```

```
sivae@Siva MINGW64 /c/myrepo (hotfix)  
$ git commit -m "Added a line to prasuu.txt from feature branch"  
[hotfix f26e5f7] Added a line to prasuu.txt from feature branch  
1 file changed, 1 insertion(+)
```

```
sivae@Siva MINGW64 /c/myrepo (hotfix)  
$ git merge feature  
Auto-merging prasuu.txt  
CONFLICT (content): Merge conflict in prasuu.txt  
Automatic merge failed; fix conflicts and then commit the result.
```

```
sivae@Siva MINGW64 /c/myrepo (hotfix|MERGING)  
$ vim prasuu.txt
```

```
sivae@Siva MINGW64 /c/myrepo (hotfix|MERGING)  
$ git status  
On branch hotfix  
You have unmerged paths.  
  (fix conflicts and run "git commit")  
  (use "git merge --abort" to abort the merge)
```

```
Changes to be committed:  
  new file:   shiv.txt  
  new file:   siv.txt
```

```
Unmerged paths:  
  (use "git add <file>..." to mark resolution)  
    both modified:   prasuu.txt
```

```
sivae@Siva MINGW64 /c/myrepo (hotfix|MERGING)  
$ git add .
```

```
sivae@Siva MINGW64 /c/myrepo (hotfix|MERGING)  
$ git commit -m "Merge Conflict fixed"  
[hotfix 9e0ab54] Merge Conflict fixed
```

```
sivae@Siva MINGW64 /c/myrepo (hotfix)  
$ cat prasuu.txt  
This is my first git commit
```

Add this line from hotfix branch

Added this line in feature branch

Keep both the lines of code

```
sivae@Siva MINGW64 /c/myrepo (hotfix)  
$ |
```



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