git - merge conflicts

Adapted from materials by Dr. Carrier

Bermix Studio - Unsplash

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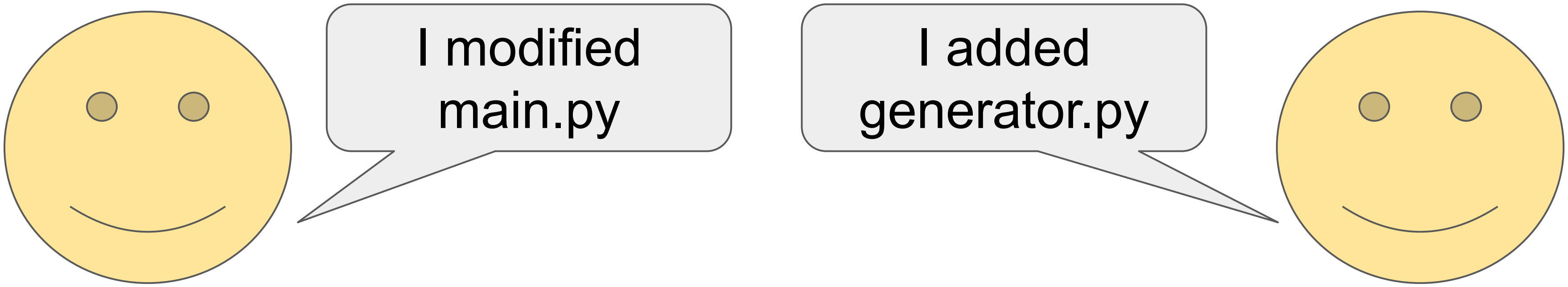

I modified main.py

I added generator.py

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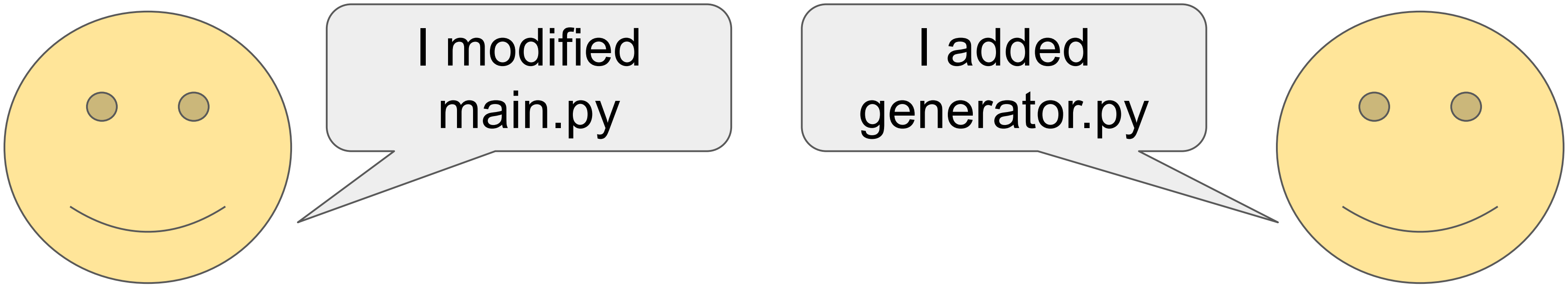

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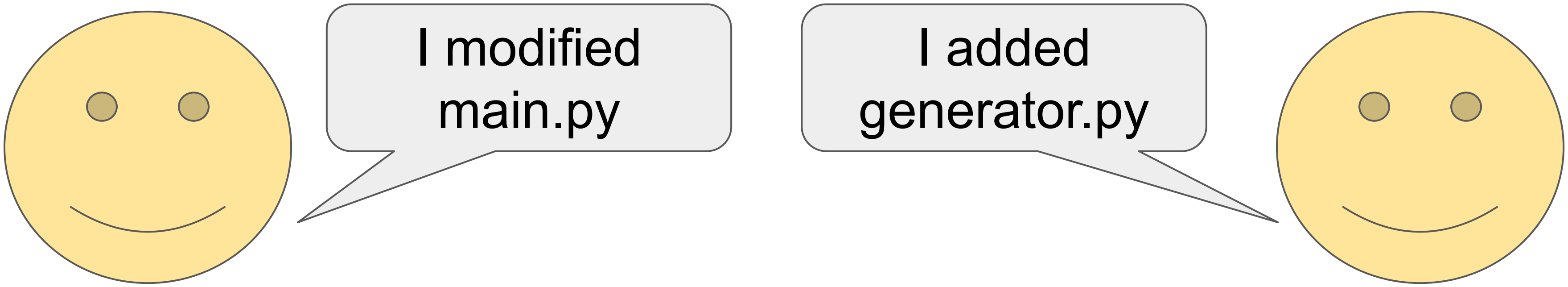

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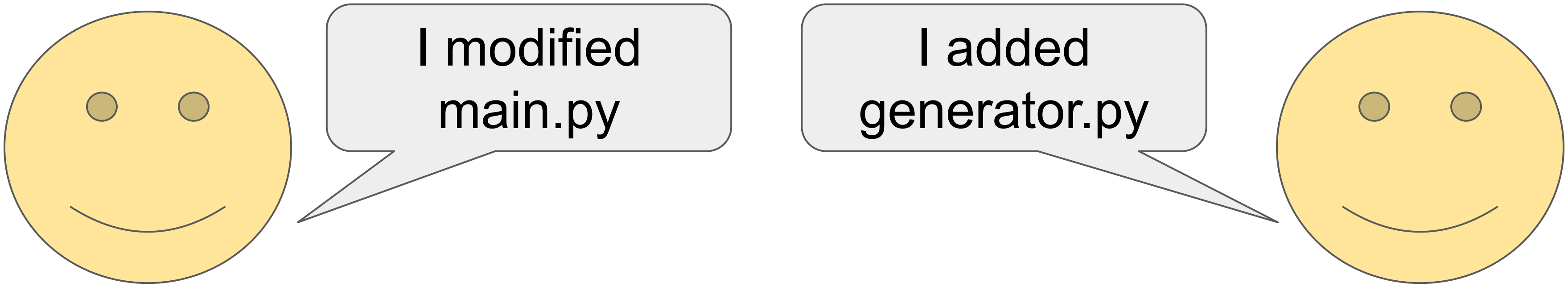

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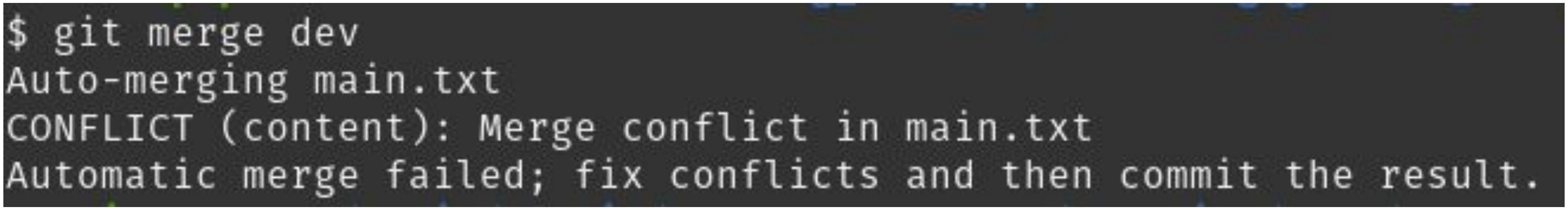

```
$ git merge dev
Auto-merging main.txt
CONFLICT (content): Merge conflict in main.txt
Automatic merge failed; fix conflicts and then commit the result.
```

Resolving merge commits

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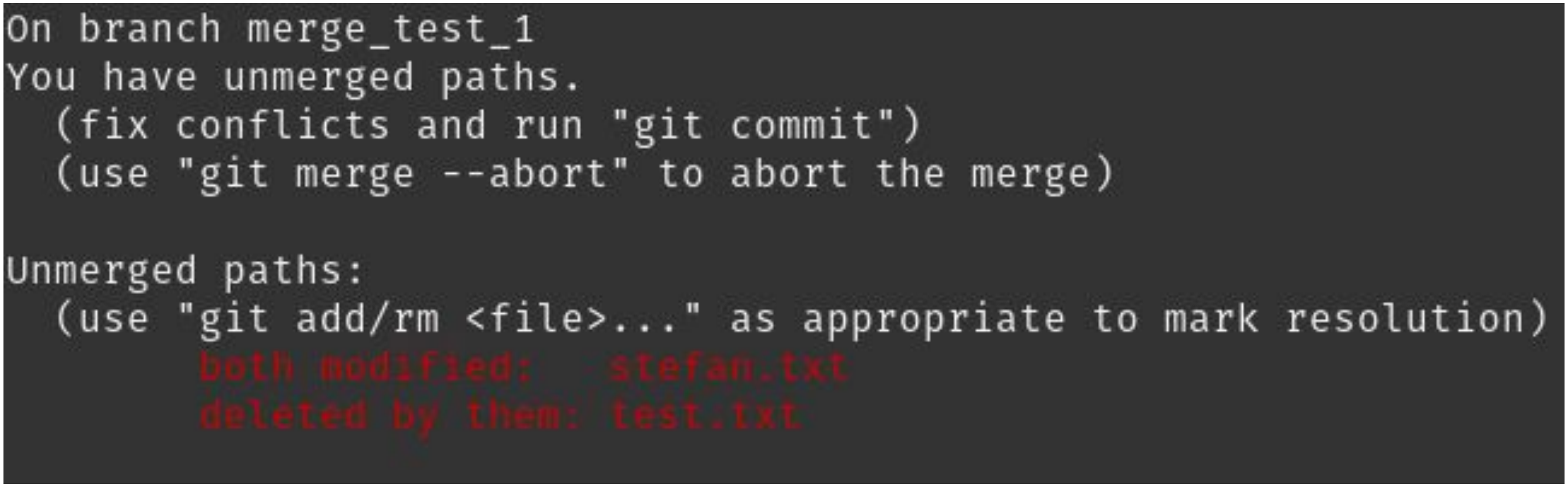
```
# No conflict
<<<<<<<
This is from local branch (one we’re merging into)
=======
This is from remote (one being merged in)
>>>>>>>
# Conflict over
```

Resolving merge commits (part 1.5)

`git status` will show which files have conflicts



```
On branch merge_test_1
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add/rm <file>..." as appropriate to mark resolution)
        both modified:   stefan.txt
        deleted by them: test.txt
```

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4. Repeat for all conflicts
5. Stage and commit files

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What if we mess up?

```
git merge --abort
```

Can delete changes in working directory!