Kasus 3: Terjadinya Merge Conflict

```
root@srv907114:~/bootcamp-devops-dla-ss001-alan# git status
On branch feature
Your branch is up to date with 'origin/feature'.

nothing to commit, working tree clean
root@srv907114:~/bootcamp-devops-dla-ss001-alan# cd src/
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# nano index.ht
ml
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# git add .
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# git commit -m
 "change some words"
[feature 6fc92ab] change some words
 Committer: root <root@srv907114.hstgr.cloud>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate
.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to ed
it
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit wi
th:

    git commit --amend --reset-author

 1 file changed, 1 insertion(+), 1 deletion(-)
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# 
```

1. Disini saya berada di feature dan melakukan commit perubahan

```
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# git checkout
development
M        src/index.html
Already on 'development'
Your branch is up to date with 'origin/development'.
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# nano index.ht
ml
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# git add .
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# git commit -m
 "development changes"
[development 6cd08bd] development changes
 Committer: root <root@srv907114.hstgr.cloud>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate
.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to ed
it
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit wi
th:

    git commit --amend --reset-author

 1 file changed, 1 insertion(+), 1 deletion(-)
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# git merge fea
ture -m "merge with feature, conflict"
Auto-merging src/index.html
CONFLICT (content): Merge conflict in src/index.html
Automatic merge failed; fix conflicts and then commit the result.
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# nano index.ht
ml
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# nano index.ht
ml
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# git status
On branch development
Your branch is ahead of 'origin/development' by 1 commit.
  (use "git push" to publish your local commits)

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

Unmerged paths:
  (use "git add <file>..." to mark resolution)
        both modified:    index.html

no changes added to commit (use "git add" and/or "git commit -a")
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# git add .
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# git commit -m
 "fix conflict"
[development e56686f] fix conflict
```

1. git checkout development
2. Lakukan perubahan juga
3. Commit perubahannya. Pastikan perubahannya ada di line yang sama agar menimbulkan conflict
4. Lakukan git merge feature
5. Muncul conflict

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-sc>
<<<<<<< HEAD
    <title>Alan Xneine | Portfolio</title>
=======
    <title>Alan Jonathan | Portfolio</title>
>>>>>>> feature
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 0;
            padding: 0;
            line-height: 1.6;
            background-color: #f4f4f4;
        }
        header {
            background: #333;
            color: #fff;
            padding: 20px 0;
            text-align: center;
        }
        header h1 {
            margin: 0;
        }
        nav {
            margin: 10px 0;
        }
        nav a {
            color: #fff;
            text-decoration: none;
            margin: 0 15px;
        }
        section {
            padding: 20px;
            max-width: 800px;
            margin: auto;
            background: #fff;
            margin-top: 20px;
            border-radius: 8px;
            box-shadow: 0 2px 5px rgba(0,0,0,0.1);
        }
        h2 {
            color: #333;
        }
        .project {
            margin-bottom: 15px;
        }
        footer {
            background: #333;
            color: #fff;
            text-align: center;
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-sc>
    <title>Alan Jonathan | Portfolio</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 0;
            padding: 0;
            line-height: 1.6;
            background-color: #f4f4f4;
        }
        header {
            background: #333;
            color: #fff;
            padding: 20px 0;
            text-align: center;
        }
        header h1 {
            margin: 0;
        }
        nav {
            margin: 10px 0;
        }
        nav a {
            color: #fff;
            text-decoration: none;
            margin: 0 15px;
        }
        section {
            padding: 20px;
```

[Read 95 lines]

^G Help   ^O Write Out ^W Where Is ^K Cut   ^T Execute
^X Exit   ^R Read File ^\ Replace   ^U Paste   ^J Justify

6. Nano src/index.html, hapus yang ingin dihilangkan
7. Lakukan git add . lagi

```
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# git status
On branch development
Your branch is ahead of 'origin/development' by 3 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src# git push
Enter passphrase for key '/root/.ssh/github_keys':
Enumerating objects: 12, done.
Counting objects: 100% (12/12), done.
Delta compression using up to 2 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (9/9), 777 bytes | 777.00 KiB/s, done.
Total 9 (delta 5), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (5/5), completed with 2 local objec
ts.
To github.com:Xneine/bootcamp-devops-dla-ss001-alan.git
   ac60fb8..e56686f  development -> development
root@srv907114:~/bootcamp-devops-dla-ss001-alan/src#
```

8. Commit dan push ke github