

# **Bootcamp DevOps Entry Level**

## **DLA-SS001**

### **Week 1**

#### **Tugas Minggu 1**

#### **Simulasi Kasus Git Kolaboratif**



by:  
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## Kasus 3: Terjadinya Merge Conflict

- **Simulasi Merge Conflict**

1. Terminal 1 di branch “feature”

```
Command Prompt
C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>git checkout feature
Switched to branch 'feature'

C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>git branch
  development
* feature
  main
```

2. Terminal 2 di branch “development”

```
Command Prompt
C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>git checkout development
Switched to branch 'development'

C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>git branch
* development
  feature
  main
```

3. Terminal 1 di branch “feature” membuat file “konflik.txt” dengan isi yang berbeda

```
Command Prompt
C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>echo "Ini dari feature" > konflik.txt

C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>git add . -v
add 'konflik.txt'

C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>git commit -m "kasus 3: commit konflik dari feature"
[feature 903cf7b] kasus 3: commit konflik dari feature
1 file changed, 1 insertion(+)
create mode 100644 konflik.txt
```

4. Terminal 2 di branch “development” membuat file “konflik.txt” dengan isi yang berbeda

```
Command Prompt
C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>echo "Ini dari development" > konflik.txt

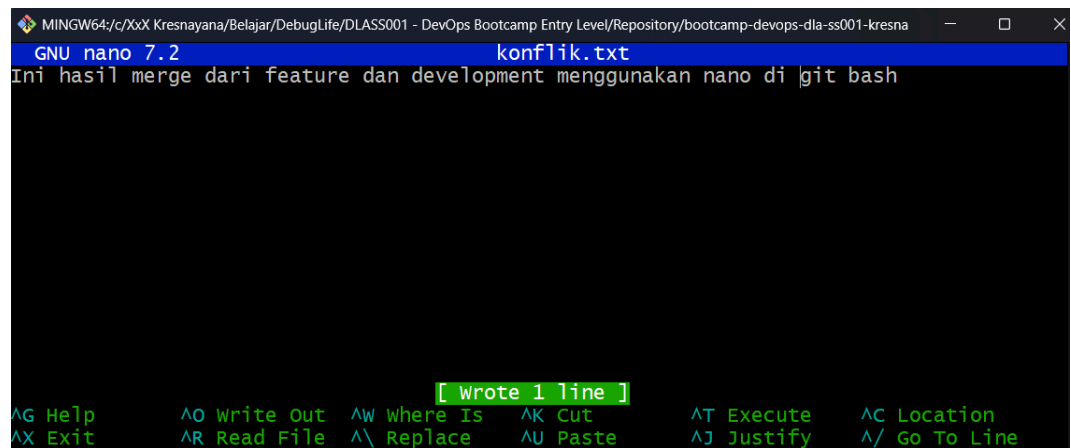
C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>git add . -v
add 'konflik.txt'

C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>git commit -m "kasus 3: commit konflik dari development"
[development 50871c0] kasus 3: commit konflik dari development
1 file changed, 1 insertion(+)
create mode 100644 konflik.txt
```

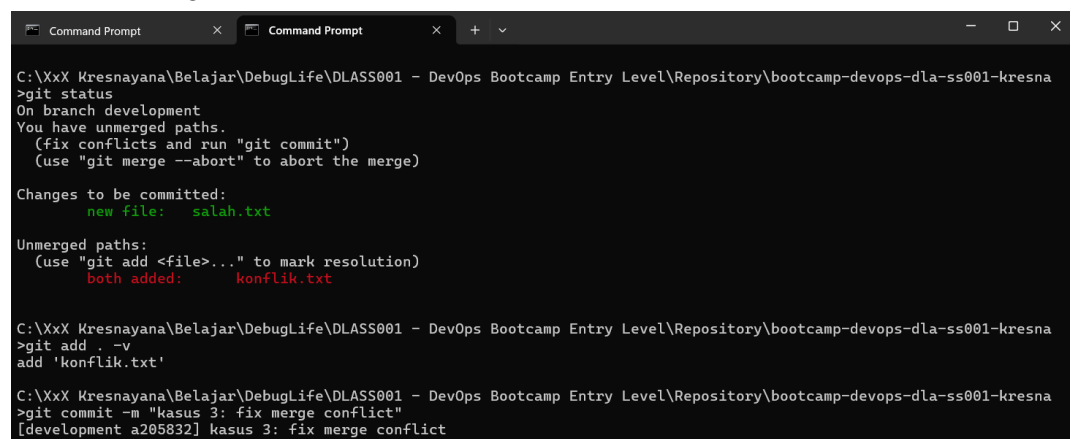
5. Terminal 2 di branch “development” melakukan merge commit dengan branch “feature”

```
Command Prompt
C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>git merge feature
Auto-merging konflik.txt
CONFLICT (add/add): Merge conflict in konflik.txt
Automatic merge failed; fix conflicts and then commit the result.
```

## 6. Menyelesaikan konflik tanpa bantuan GUI / IDE (pakai terminal).



## 7. Commit merge conflict



```
C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>git status
On branch development
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Changes to be committed:
  new file:   salah.txt

Unmerged paths:
  (use "git add <file>..." to mark resolution)
    both added:   konflik.txt

C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>git add . -v
add 'konflik.txt'

C:\XxX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna
>git commit -m "kasus 3: fix merge conflict"
[development a205832] kasus 3: fix merge conflict
```

### ● Penyebab Konflik

1. Kedua branch mengubah baris yang sama di file konflik.txt.
2. Git tidak bisa memilih mana yang benar, sehingga meminta bantuan manual.

### ● Tools & Perintah Git



```
# branch feature
git checkout feature
echo "Ini dari feature" > konflik.txt
git add . -v
git commit -m "kasus 3: commit konflik dari feature"

# branch development
git checkout development
echo "Ini dari development" > konflik.txt
git add . -v
git commit -m "kasus 3: commit konflik dari development"
```

```
# Merge ke development
git checkout development
git merge feature

# Buka dan edit konflik.txt dengan nano di git bash
nano konflik.txt

# Lalu save dan commit
git add konflik.txt
git commit -m "kasus 3: fix merge conflict"
```