

Task Week 1

▼ Task 1

```
git checkout -b development
```

```
git commit -m "Initialize dev branch"
```

```
git push -u origin development
```

```
git checkout -b feature
```

```
git commit -m "Initialize feat branch"
```

```
git push -u origin feature
```

Kenapa urutan branch seperti itu?

→ Karena biar jelas *versioning*-nya yang mana parent branchnya

Tools dan perintah Git apa saja yang kamu gunakan.

→ Tools: Terminal

```
git checkout
```

```
git add -v .
```

```
git commit
```

```
git push -u origin <branch_name>
```

```
git merge
```

```
git status
```

▼ Task 2

Skenario:

edit file readme → push ke main → lalu pindahkan commit ke branch baru → reset branch main

Solusi:

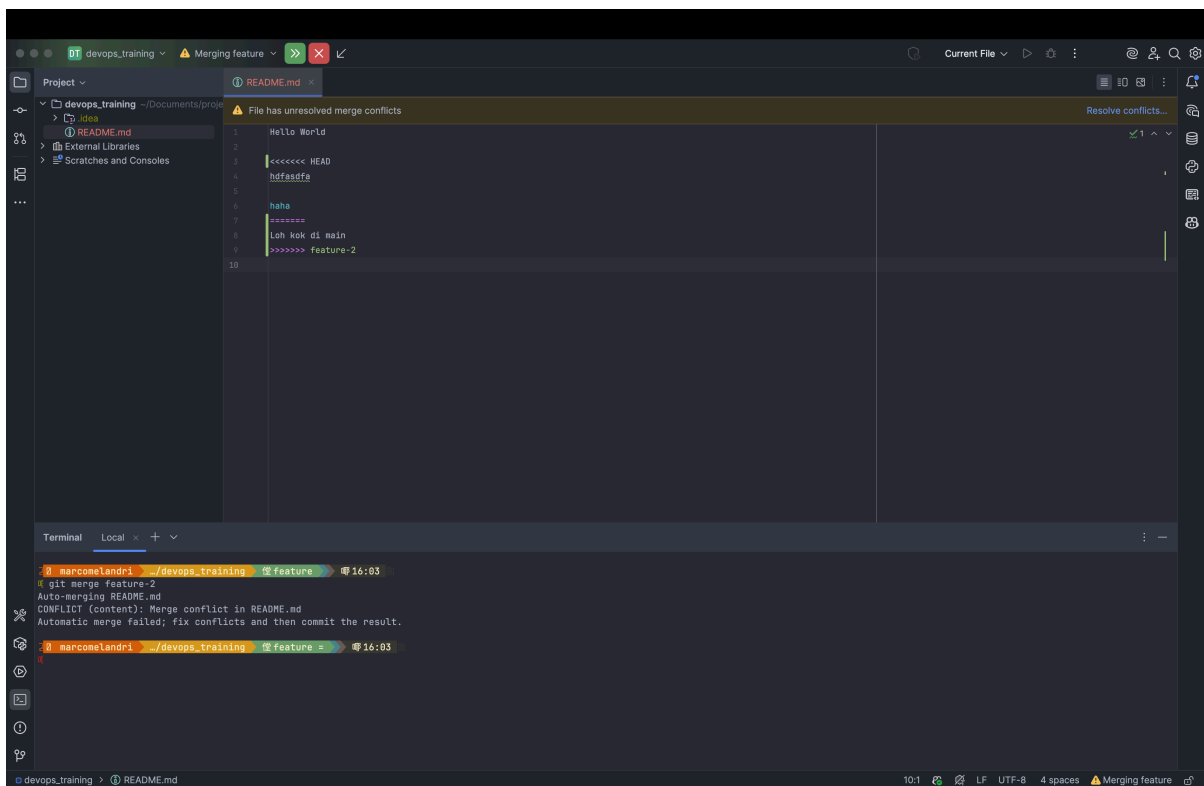
Memindahkan commit → reset main → push force main

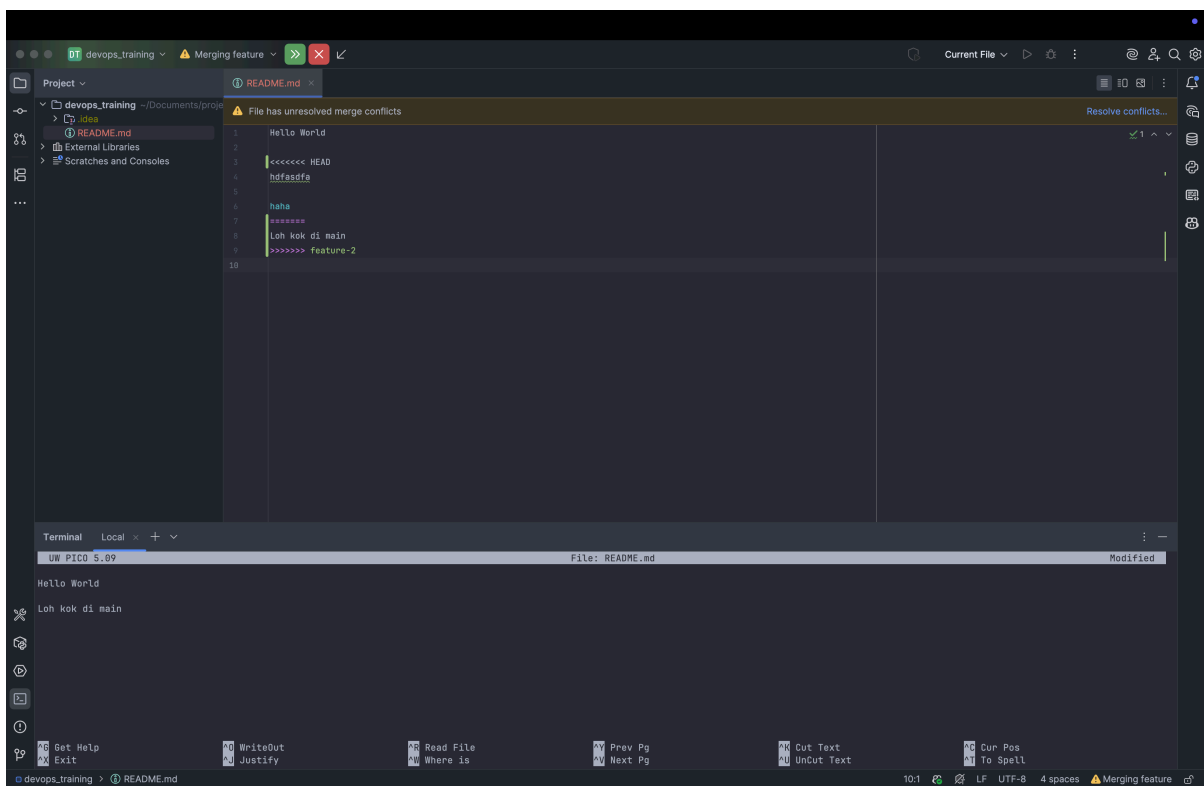
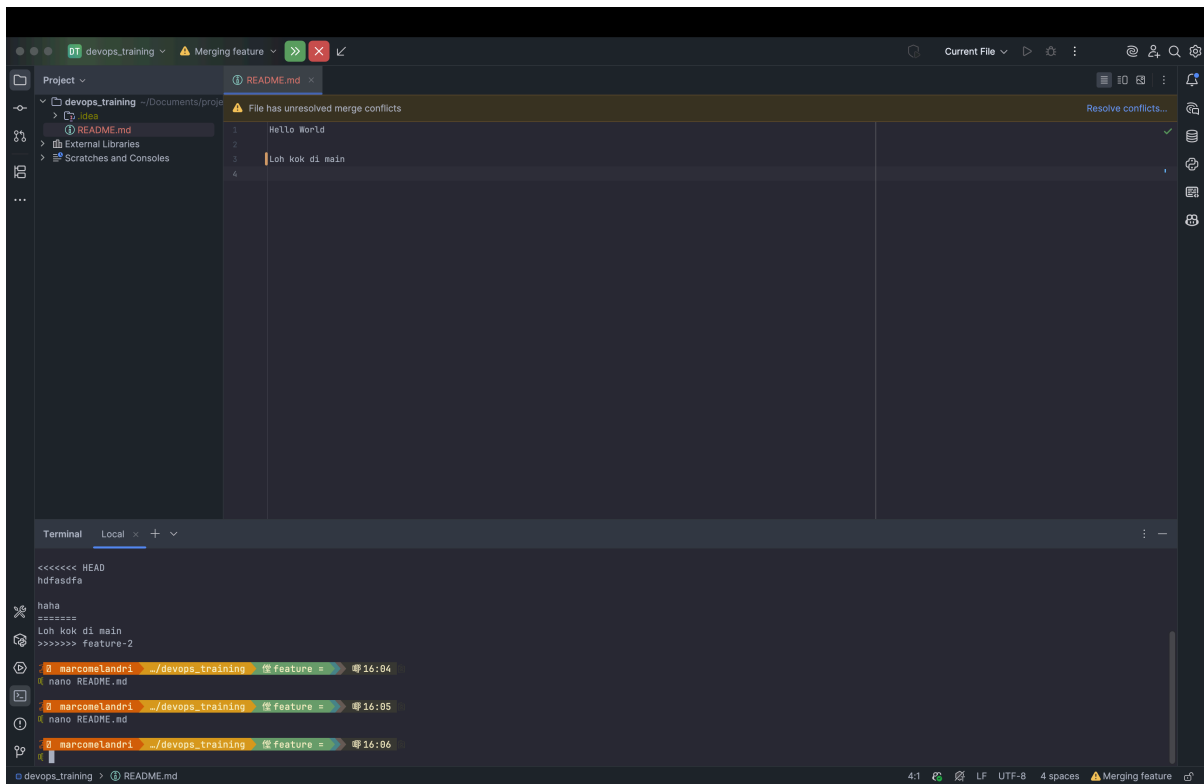
```
git branch <new_branch_name>
```

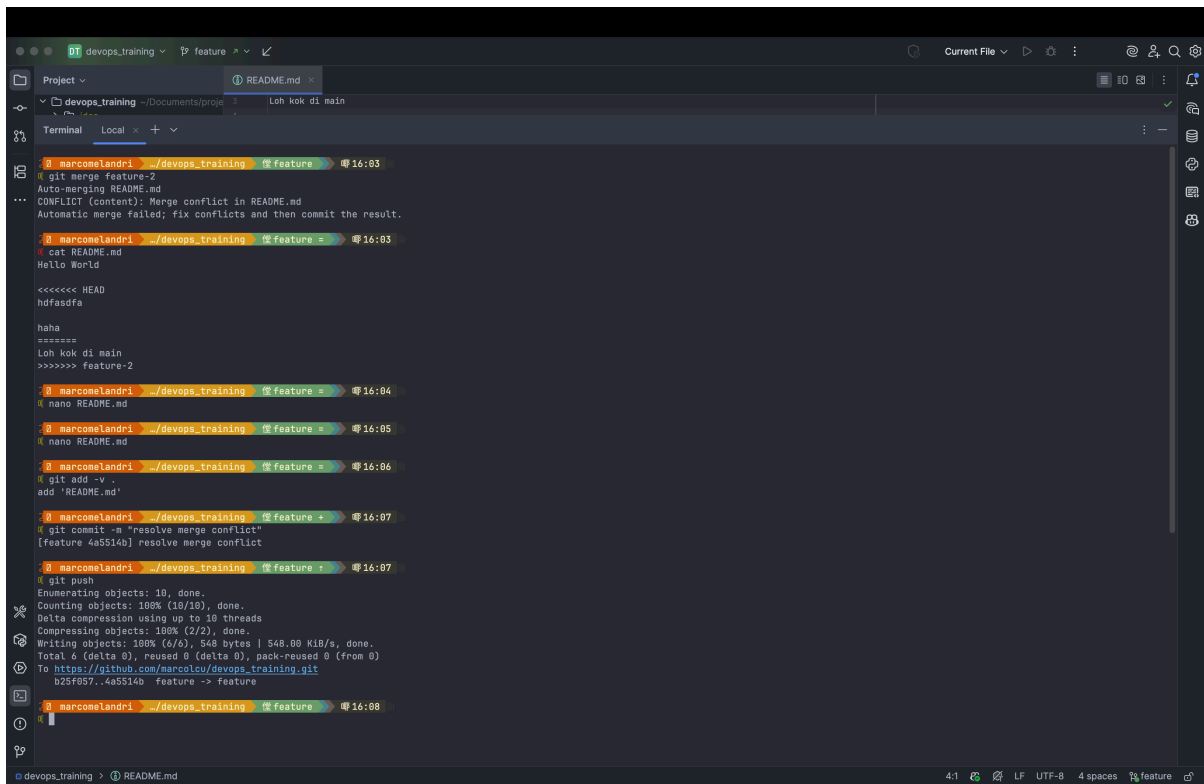
```
git reset --hard main~1
```

```
git push --force
```

▼ Task 3







```
marcomelandri ~/devops_training feature 16:03
$ git merge feature-2
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.

marcomelandri ~/devops_training feature 16:03
$ cat README.md
Hello World

<<<<<< HEAD
hdfasdfa

hehe
=====
Loh kok di main
>>>>>> feature-2

marcomelandri ~/devops_training feature 16:04
$ nano README.md

marcomelandri ~/devops_training feature 16:05
$ nano README.md

marcomelandri ~/devops_training feature 16:06
$ git add -v .
add README.md

marcomelandri ~/devops_training feature 16:07
$ git commit -m "resolve merge conflict"
[feature 4a5514b] resolve merge conflict

marcomelandri ~/devops_training feature 16:07
$ git push
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 10 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (6/6), 548 bytes | 548.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/marcolcu/devops_training.git
b25f957..4a5514b feature -> feature

marcomelandri ~/devops_training feature 16:08
```

Skenario:

Edit di branch feature-2

edit juga di branch feature

di gabungin → conflict

▼ Task 4

push env ke repo

lalu git reset —hard HEAD~1

git reset —hard HEAD~1

echo ".env" >> .gitignore

git add -v .gitignore

```
git restore --staged .env ( memastikan .env kali ini tidak ikut ke push)
```

```
git commit -m "remove env"
```

```
git push --force
```

▼ Task 5

Buka github.com atau bisa menggunakan github CLI menggunakan gh

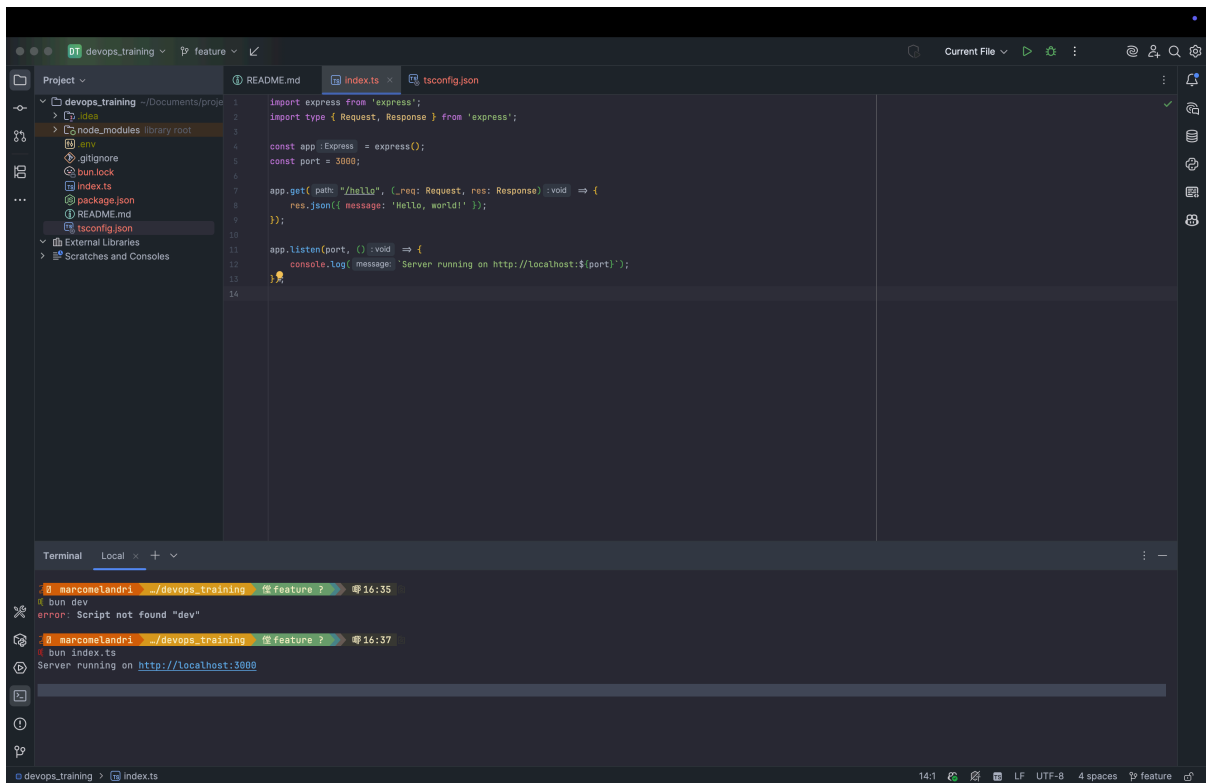
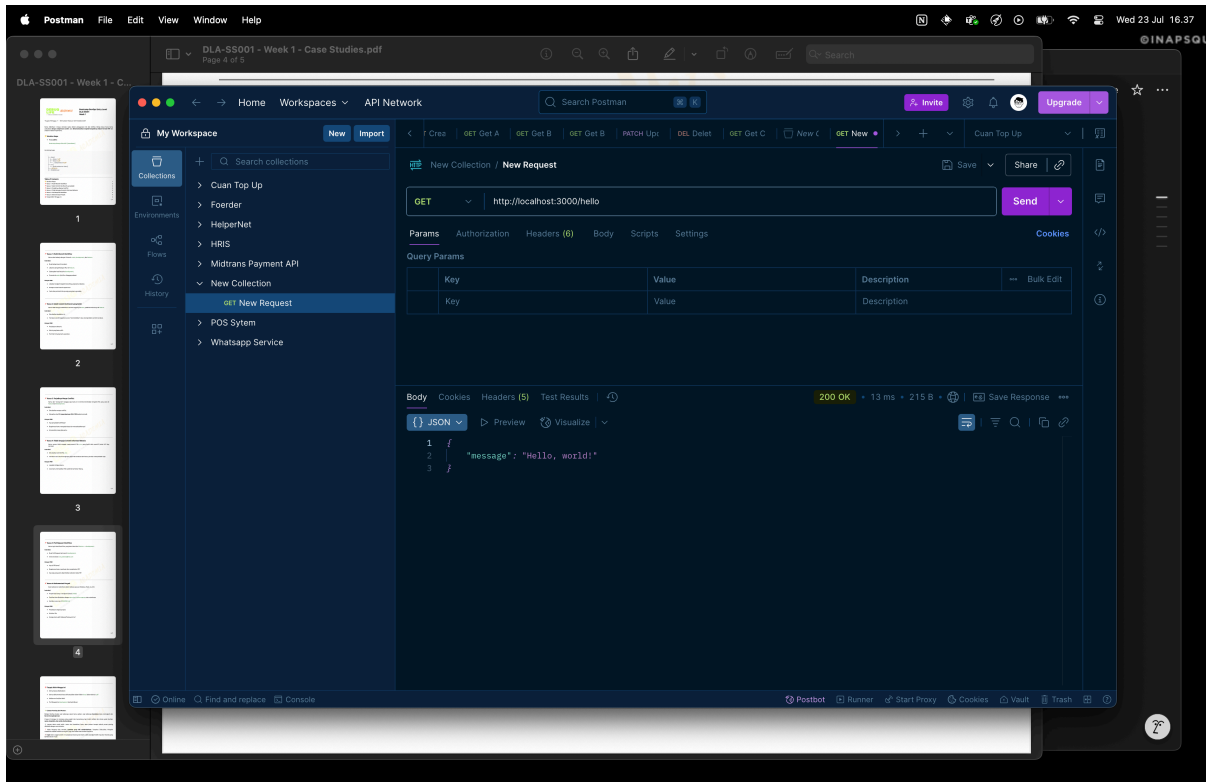
```
marcomelandri ~/devops_training ㉿ feature 哪 16:28
$ gh pr create --base development

Creating pull request for feature into development in marcolcu/devops_training

? Title (required) Merge feature to development
? Body <Received>
? What's next? Add metadata
? What would you like to add? Reviewers, Assignees, Labels
warning: no available reviewers
? Assignees marcolcu (Vincentius Marco Melandri)
? Labels [Use arrows to move, space to select, <right> to all, <left> to none, type to filter]
[ ] bug
> [x] documentation
[ ] duplicate
[ ] enhancement
[ ] good first issue
[ ] help wanted
[ ] invalid
[ ] question
[ ] wontfix
```

hal yang harus di perhatikan adalah file yang di merge ke branch tersebut, jika sudah oke semua di approve lalu di merge

▼ Task 6



saya membuat API dengan endpoint hello menggunakan typescript
saya menggunakan bun sebagai package manager

untuk struktur folder, tidak ada karna hanya endpoint simple

kenapa saya menggunakan typescript? karena menurut saya typescript bahasa yang simple dan paling mudah dibuat