

Bootcamp DevOps Entry Level

DLA-SS001

Week 1

Tugas Minggu 1

Simulasi Kasus Git Kolaboratif



by:
Kresnayana Nanda A.

Kasus 1: Multi-Branch Workflow

- **Langkah-Langkah**

1. Force Rename Branch “master” menjadi “main”

```
PS C:\XXX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna> git status
On branch master
nothing to commit, working tree clean
PS C:\XXX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna> git branch -M main
PS C:\XXX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna> git status
On branch main
nothing to commit, working tree clean
```

2. Membuat branch “development” dan “feature”

```
PS C:\XXX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna> git checkout -b development
Switched to a new branch 'development'
PS C:\XXX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna> git checkout -b feature
Switched to a new branch 'feature'
PS C:\XXX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna> git branch
  development
* feature
  main
```

3. Menambahkan fitur di “feature”

```
PS C:\XXX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna> git add . -v
add 'README.md'
PS C:\XXX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna> git commit -m "add new feature in readme"
[feature 314953e] add new feature in readme
1 file changed, 1 insertion(+)
PS C:\XXX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna> git status
On branch feature
nothing to commit, working tree clean
```

4. Merge ke “development”

```
PS C:\XXX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna> git checkout development
Switched to branch 'development'
PS C:\XXX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna> git merge feature
Updating cd80895..314953e
Fast-forward
 README.md | 1 +
1 file changed, 1 insertion(+)
```

5. Promote ke “main”

```
PS C:\XXX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna> git checkout main
Switched to branch 'main'
PS C:\XXX Kresnayana\Belajar\DebugLife\DLASS001 - DevOps Bootcamp Entry Level\Repository\bootcamp-devops-dla-ss001-kresna> git merge development
Updating cd80895..314953e
Fast-forward
 README.md | 1 +
1 file changed, 1 insertion(+)
```

- **Alasan Urutan Branch**

branch “feature” untuk isolasi pengembangan fitur baru.

branch “development” sebagai staging area, menguji fitur gabungan.

branch “main” hanya menerima perubahan dari branch yang sudah stabil.

- **Tools & Perintah Git**

Text editor: VSCode

Terminal: CMD / Power Shell

Perintah: git checkout -b, git branch, git add, git commit, git merge, git status