Nama : Mohd Ryan Obillah
Kelas : SIB 4 Flutter Kelas B

Soal Prioritas 1 (80)

- Buatlah sebuah repository pada Github dengan nama repositorynya NamaKelas_NamaKalian.
  Jawab :

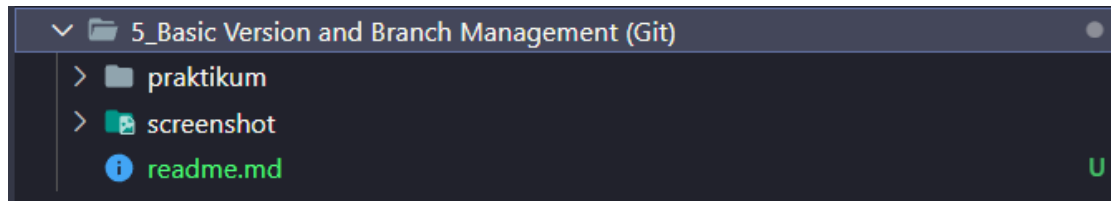 **flutter_mohd-ryan-obillah** Public ☆ Star ▾

  Updated 1 hour ago

- Buat folder didalam repository kalian
  Jawab :

  > 📁 4_Introduction to Mobile App Development
  > 📁 5_Basic Version and Branch Management (Git)
  > 📁 6_Fundamental Dart
  > 📁 7_Branching-Looping-Function
  > 📁 8_Advance Function-Async-Await-Collection
  > 📁 9_Dart Object Oriented Programming 1
  > 📁 10_Deep Dive Into Dart Object Oriented Programming
  > 📁 11_Introduction Flutter Widget
  > 📁 12_Installation Command Line Interface and Package Management in Flutter
  > 📁 13_Platform Widget
  > 📁 14_Professional Skill 1 - Communication Skill
  > 📁 15_Flutter Layout
  > 📁 16_Flutter Form (Form Input Button) and Advance Form
  > 📁 17_Assets
  > 📁 18_Dialog Bottom Sheet
  > 📁 19_Flutter Navigation
  > 📁 20_Flutter State Management (Provider)
  > 📁 21_Flutter State Management (BLoC)
  > 📁 22_Flutter Animation
  > 📁 23_Storage
  > 📁 24_Professional Skill 2 - Building Resume and CV
  > 📁 25_Introduction REST API - JSON serialization or deserialization
  > 📁 26_MVVM Architecture
  > 📁 27_Finite State Machine & Unit Testing
  > 📁 28_UI Testing
  > 📁 29_Professional Skill 3 - Teamworks and Collaboration
  > 📁 30_Professional Skill 4 - Time and Task Management
  > 📁 31_Pos-Test
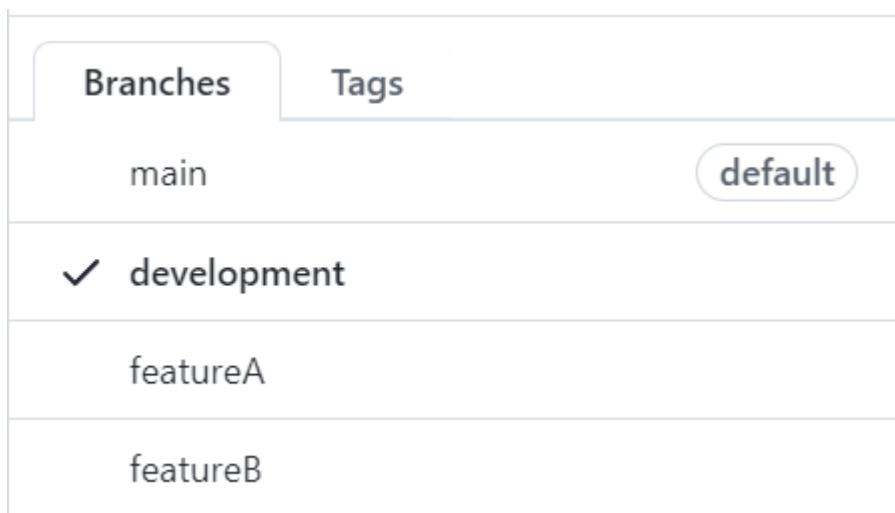 > 📁 32_Mini Project
  > 📁 33_Summary of All Materials

- Didalam foldernya, buatlah sub folder

```
∨ 📁 5_Basic Version and Branch Management (Git)                    ●
  › 📁 praktikum
  › 📁 screenshot
    ℹ readme.md                                                     U
```

Soal Prioritas 2 (20)

- Buat sebuah repository pada Github
- Buatlah branch pada repository

```
● PS C:\Users\user\flutter_mohd-ryan-obillah> git branch development
● PS C:\Users\user\flutter_mohd-ryan-obillah> git branch featurea
● PS C:\Users\user\flutter_mohd-ryan-obillah> git branch featureb
```

Branches	Tags
main	default
✓ development	
featureA	
featureB	

- Gunakan command command git seperti push, pull, merge dan stash

```
● PS C:\Users\user\flutter_mohd-ryan-obillah> git push origin development
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 364 bytes | 182.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'development' on GitHub by visiting:
remote:      https://github.com/obillahh/flutter_mohd-ryan-obillah/pull/new/development
remote:
To https://github.com/obillahh/flutter_mohd-ryan-obillah.git
 * [new branch]      development -> development
```
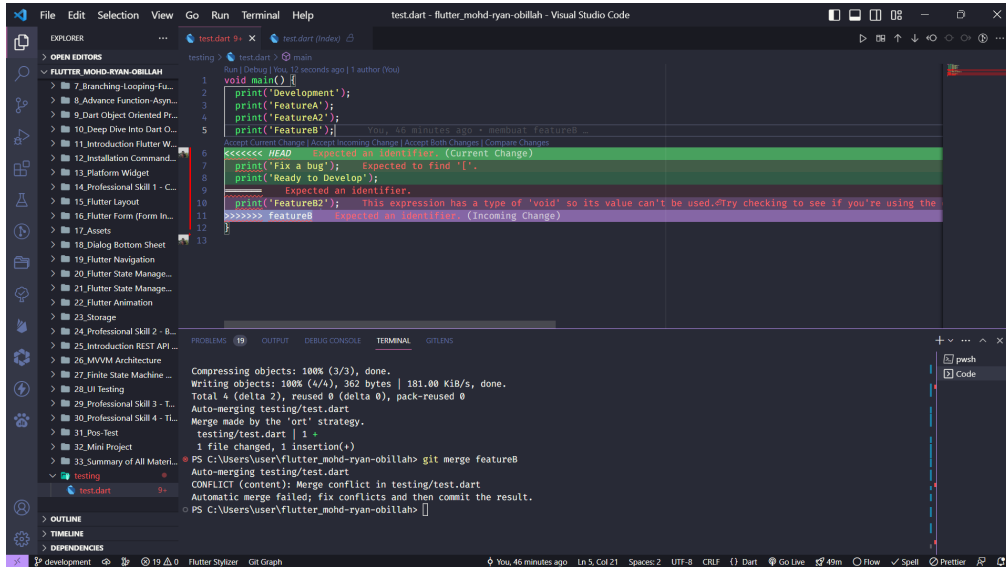
```
PS C:\Users\user\flutter_mohd-ryan-obillah> git checkout development
Switched to branch 'development'
PS C:\Users\user\flutter_mohd-ryan-obillah> git merge featureA
Updating b9c272e..49fc823
Fast-forward
 testing/test.dart | 3 ++-
 1 file changed, 2 insertions(+), 1 deletion(-)
```

```
PS C:\Users\user\flutter_mohd-ryan-obillah> git pull origin featureB
From https://github.com/obillahh/flutter_mohd-ryan-obillah
 * branch            featureB    -> FETCH_HEAD
Updating 49fc823..8ea31c3
Fast-forward
 testing/test.dart | 1 +
 1 file changed, 1 insertion(+)
PS C:\Users\user\flutter_mohd-ryan-obillah>
```
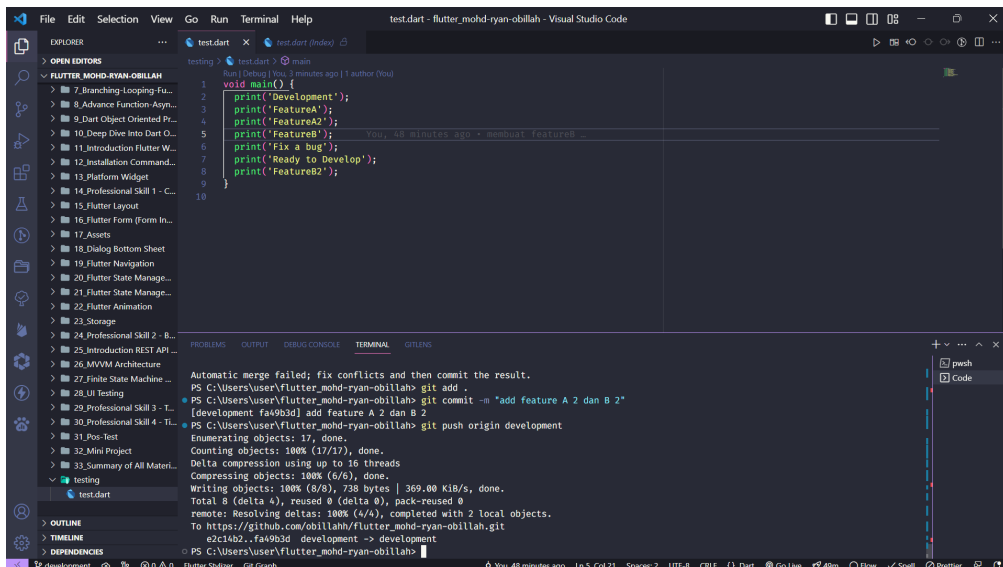
```
PS C:\Users\user\flutter_mohd-ryan-obillah> git stash
No local changes to save
PS C:\Users\user\flutter_mohd-ryan-obillah> git stash
Saved working directory and index state WIP on development: 8ea31c3 membuat featureB
PS C:\Users\user\flutter_mohd-ryan-obillah> git add .
PS C:\Users\user\flutter_mohd-ryan-obillah> git commit -m "fix bug"
[development 5713ee9] fix bug
 1 file changed, 1 insertion(+)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/obillahh/flutter_mohd-ryan-obillah.git
   b9c272e..5713ee9  development -> development
PS C:\Users\user\flutter_mohd-ryan-obillah> git stash apply
Auto-merging testing/test.dart
CONFLICT (content): Merge conflict in testing/test.dart
On branch development
Unmerged paths:
  (use "git restore --staged <file>..." to unstage)
  (use "git add <file>..." to mark resolution)
        both modified:   testing/test.dart

no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\user\flutter_mohd-ryan-obillah>
```

- Implementasikan sebuah penanganan conflict di branch development ketika setelah melakukan merge dari branch featureA lalu merge dari featureB (Conflict dapat terjadi ketika mengerjakan di file dan di line yang sama)
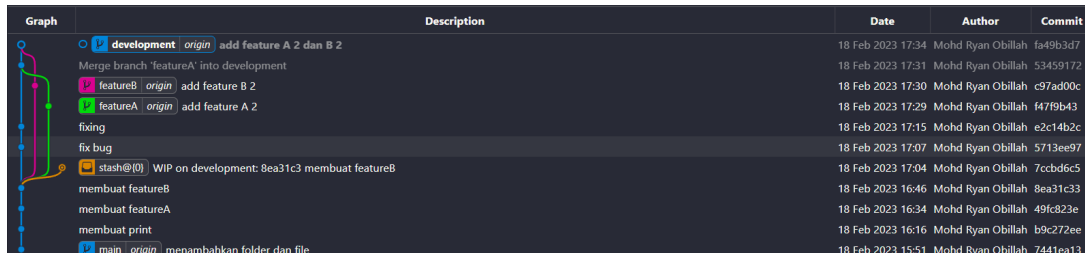
Soal Eksplorasi (20)

● Dengan project terserah kalian, praktikkan salah satu workflow serderhana dan buktikan dengan Screenshoot. github flow/gitflow/trunk base

Graph	Description	Date	Author	Commit
	○ ⑂ development origin add feature A 2 dan B 2	18 Feb 2023 17:34	Mohd Ryan Obillah	fa49b3d7
	Merge branch 'featureA' into development	18 Feb 2023 17:31	Mohd Ryan Obillah	53459172
	⑂ featureB origin add feature B 2	18 Feb 2023 17:30	Mohd Ryan Obillah	c97ad00c
	⑂ featureA origin add feature A 2	18 Feb 2023 17:29	Mohd Ryan Obillah	f47f9b43
	fixing	18 Feb 2023 17:15	Mohd Ryan Obillah	e2c14b2c
	fix bug	18 Feb 2023 17:07	Mohd Ryan Obillah	5713ee97
	stash@{0} WIP on development: 8ea31c3 membuat featureB	18 Feb 2023 17:04	Mohd Ryan Obillah	7ccbd6c5
	membuat featureB	18 Feb 2023 16:46	Mohd Ryan Obillah	8ea31c33
	membuat featureA	18 Feb 2023 16:34	Mohd Ryan Obillah	49fc823e
	membuat print	18 Feb 2023 16:16	Mohd Ryan Obillah	b9c272ee
	⑂ main origin menambahkan folder dan file	18 Feb 2023 15:51	Mohd Ryan Obillah	7441ea13