

LAPORAN PRAKTIKUM JOBSHEET 3

“Percabangan, Perulangan, dan Operasi Git Lanjutan”



Oleh:
Pandya Cahya
NIM. 2341760053
SIB-3D/20

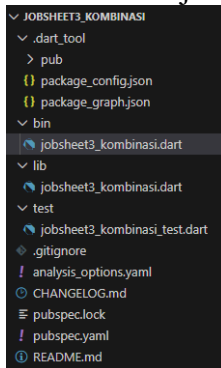
D-IV SISTEM INFORMASI BISNIS
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG

Pertanyaan:

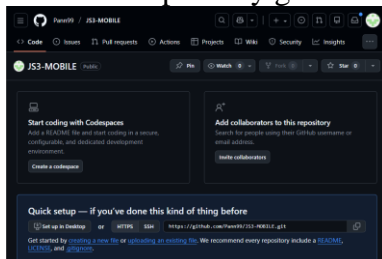
1. Buat program Dart sederhana yang menggunakan kombinasi percabangan dan perulangan untuk menyelesaikan masalah. Contoh: program untuk menghitung faktorial, cek bilangan prima, atau game tebak angka.
2. Buat repository GitHub untuk program tersebut dengan minimal 3 branch dan 5 commit yang menunjukkan perkembangan fitur.

Jawaban:

1. Membuat Project Dart baru



2. Membuat repository github



3. Commit pertama (Membuat project dart)

```
PS E:\POLINEMA\SEMESTER 5\PEMROGRAMAN MOBILE\jobsheet3\jobsheet3_kombinasi> git add .
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'CHANGELOG.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'analysis_options.yaml', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'bin/jobsheet3_kombinasi.dart', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'lib/jobsheet3_kombinasi.dart', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'pubspec.lock', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'pubspec.yaml', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'test/jobsheet3_kombinasi_test.dart', LF will be replaced by CRLF the next time Git touches it
PS E:\POLINEMA\SEMESTER 5\PEMROGRAMAN MOBILE\jobsheet3\jobsheet3_kombinasi> git commit -m "Membuat Project Dart (Commit 1)"
[master (root-commit) 5c37781] Membuat Project Dart (Commit 1)
 9 files changed, 458 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 CHANGELOG.md
 create mode 100644 README.md
 create mode 100644 analysis_options.yaml
 create mode 100644 bin/jobsheet3_kombinasi.dart
 create mode 100644 lib/jobsheet3_kombinasi.dart
 create mode 100644 pubspec.lock
 create mode 100644 pubspec.yaml
 create mode 100644 test/jobsheet3_kombinasi_test.dart
PS E:\POLINEMA\SEMESTER 5\PEMROGRAMAN MOBILE\jobsheet3\jobsheet3_kombinasi> git remote add origin https://github.com/Pann99/JS3-MOBILE.git
PS E:\POLINEMA\SEMESTER 5\PEMROGRAMAN MOBILE\jobsheet3\jobsheet3_kombinasi> git push -u origin main
```

4. Branch pertama “feature-basic-input”. Branch ini menambahkan input angka untuk pengecekan bilangan prima

```
feature-basic-input 3 minutes ago
= b592237 • Menambahkan input angka (Commit 2)
```

5. Commit kedua (menambahkan input angka)

```
bin > jobsheet3_kombinasi.dart > ...
1 import 'package:jobsheet3_kombinasi/jobsheet3_kombinasi.dart' as jobsheet3_kombinasi;
2
3 void main() {
4   int angka = 17;
5   print("Angka yang dicek: $angka");
6 }
7
```

```
PS E:\POLINEMA\SEMESTER 5\PEMROGRAMAN MOBILE\jobsheet3\jobsheet3_kombinasi> git commit -m "Menambahkan input angka (Commit 2)"
[feature-basic-input b592237] Menambahkan input angka (Commit 2)
 1 file changed, 3 insertions(+), 2 deletions(-)
PS E:\POLINEMA\SEMESTER 5\PEMROGRAMAN MOBILE\jobsheet3\jobsheet3_kombinasi> git push origin feature-basic-input
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 425 bytes | 425.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'feature-basic-input' on GitHub by visiting:
remote:   https://github.com/Pann99/JS3-MOBILE/pull/new/feature-basic-input
remote:
To https://github.com/Pann99/JS3-MOBILE.git
 * [new branch]   feature-basic-input -> feature-basic-input
```

6. Branch kedua “feature-prime-logic”. Branch ini menambahkan logika percabangan dan perulangan untuk bilangan prima

```
feature-prime-logic 7 minutes ago
= • b592237 • Menambahkan input angka (Commit 2)
```

7. Commit ketiga (menambahkan logika percabangan dan perulangan)

```
bin > jobsheet3_kombinasi.dart > main
1 import 'package:jobsheet3_kombinasi/jobsheet3_kombinasi.dart' as jobsheet3_kombinasi;
2
3 void main() {
4   int angka = 17;
5   bool isPrima = true;
6
7   if (angka <= 1) {
8     isPrima = false;
9   } else {
10    for (int i = 2; i < angka; i++) {
11      if (angka % i == 0) {
12        isPrima = false;
13        break;
14      }
15    }
16  }
17 }
```

```
PS E:\POLINEMA\SEMESTER 5\PEMROGRAMAN MOBILE\jobsheet3\jobsheet3_kombinasi> git add .
warning: in the working copy of 'bin/jobsheet3_kombinasi.dart', LF will be replaced by CRLF the next time Git touches it
PS E:\POLINEMA\SEMESTER 5\PEMROGRAMAN MOBILE\jobsheet3\jobsheet3_kombinasi> git commit -m "Menambahkan logika percabangan dan perulangan (Commit 3)"
[feature-prime-logic a9365f8] Menambahkan logika percabangan dan perulangan (Commit 3)
1 file changed, 12 insertions(+), 1 deletion(-)
PS E:\POLINEMA\SEMESTER 5\PEMROGRAMAN MOBILE\jobsheet3\jobsheet3_kombinasi> git push origin feature-prime-logic
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 502 bytes | 100.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'feature-prime-logic' on GitHub by visiting:
remote:   https://github.com/Pann99/JS3-MOBILE/pull/new/feature-prime-logic
remote:
To https://github.com/Pann99/JS3-MOBILE.git
 * [new branch] feature-prime-logic -> feature-prime-logic
```

8. Branch ketiga “feature-output”. Branch ini menambahkan output hasil pengecekan bilangan prima

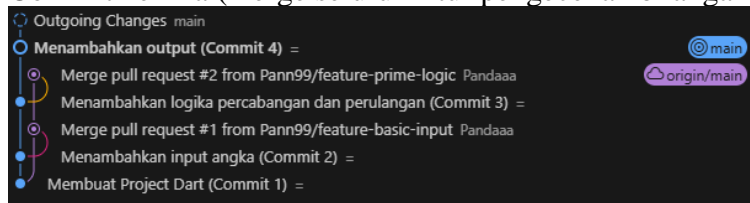
```
feature-output 5 minutes ago
= • a9365f8 • Menambahkan logika percabangan dan perulangan (Commit 3)
```

9. Commit keempat (menambahkan output)

```
bin > jobsheet3_kombinasi.dart > main
1 import 'package:jobsheet3_kombinasi/jobsheet3_kombinasi.dart' as jobsheet3_kombinasi;
2
3 void main() {
4   int angka = 17;
5   bool isPrima = true;
6
7   if (angka <= 1) {
8     isPrima = false;
9   } else {
10    for (int i = 2; i < angka; i++) {
11      if (angka % i == 0) {
12        isPrima = false;
13        break;
14      }
15    }
16  }
17
18  if (isPrima) {
19    print('$angka adalah bilangan prima');
20  } else {
21    print('$angka bukan bilangan prima');
22  }
23 }
```

```
PS E:\POLINEMA\SEMESTER 5\PEMROGRAMAN MOBILE\jobsheet3\jobsheet3_kombinasi> git add .
warning: in the working copy of 'bin/jobsheet3_kombinasi.dart', LF will be replaced by CRLF the next time Git touches it
PS E:\POLINEMA\SEMESTER 5\PEMROGRAMAN MOBILE\jobsheet3\jobsheet3_kombinasi> git commit -m "Menambahkan output (Commit 4)"
[feature-output fc170c9] Menambahkan output (Commit 4)
1 file changed, 7 insertions(+), 1 deletion(-)
PS E:\POLINEMA\SEMESTER 5\PEMROGRAMAN MOBILE\jobsheet3\jobsheet3_kombinasi> git push origin feature-output
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 414 bytes | 103.00 KiB/s, done.
Total 4 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
remote:
remote: Create a pull request for 'feature-output' on GitHub by visiting:
remote:   https://github.com/Pann99/JS3-MOBILE/pull/new/feature-output
remote:
To https://github.com/Pann99/JS3-MOBILE.git
 * [new branch] feature-output -> feature-output
```

10. Commit kelima (merge seluruh fitur pengecekan bilangan prima)



Link Github : <https://github.com/Pann99/JS3-MOBILE>