

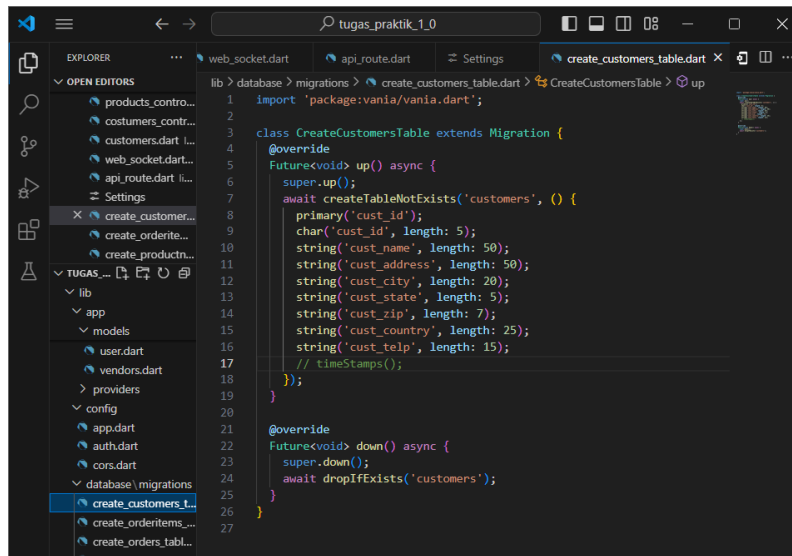
**LAPORAN
TUGAS CRUD POSTMAN**



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**PROGRAM STUDI INFORMATIKA
FAKULTAS SAINS & TEKNOLOGI
UNIVERSITAS TEKNOLOGI YOGYAKARTA
YOGYAKARTA
2024**

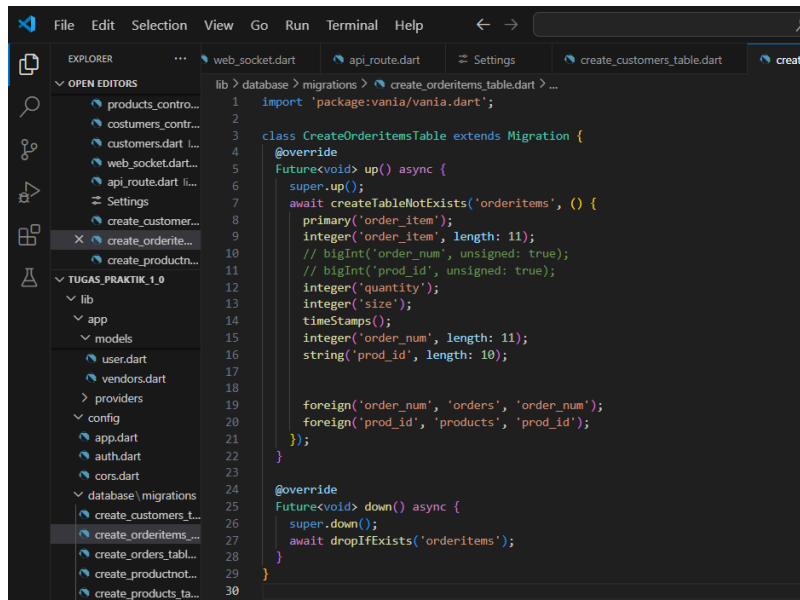
Source Code



```
lib > database > migrations > create_customers_table.dart > CreateCustomersTable > up
import 'package:vania/vania.dart';

class CreateCustomersTable extends Migration {
  @override
  Future<void> up() async {
    super.up();
    await createTableNotExists('customers', () {
      primary('cust_id');
      char('cust_id', length: 5);
      string('cust_name', length: 50);
      string('cust_address', length: 50);
      string('cust_city', length: 20);
      string('cust_state', length: 5);
      string('cust_zip', length: 7);
      string('cust_country', length: 25);
      string('cust_telp', length: 15);
      // timeStamps();
    });
  }

  @override
  Future<void> down() async {
    super.down();
    await dropIfExists('customers');
  }
}
```

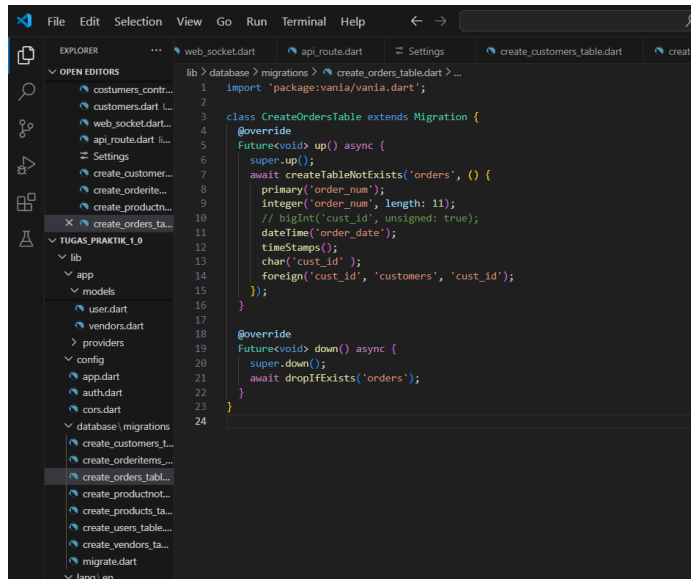


```
lib > database > migrations > create_orderitems_table.dart > ...
import 'package:vania/vania.dart';

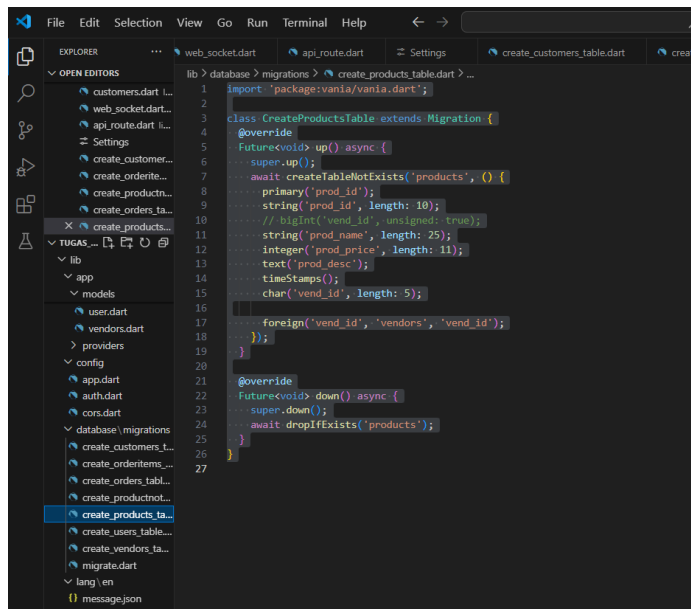
class CreateOrderItemsTable extends Migration {
  @override
  Future<void> up() async {
    super.up();
    await createTableNotExists('orderitems', () {
      primary('order_item');
      integer('order_item', length: 11);
      // bigInt('order_num', unsigned: true);
      // bigInt('prod_id', unsigned: true);
      integer('quantity');
      integer('size');
      timeStamps();
      integer('order_num', length: 11);
      string('prod_id', length: 10);

      foreign('order_num', 'orders', 'order_num');
      foreign('prod_id', 'products', 'prod_id');
    });
  }

  @override
  Future<void> down() async {
    super.down();
    await dropIfExists('orderitems');
  }
}
```



```
1 import 'package:vania/vania.dart';
2
3 class CreateOrdersTable extends Migration {
4   @override
5   Future<void> up() async {
6     super.up();
7     await createTableNotExists('orders', () {
8       primary('order_num');
9       integer('order_num', length: 11);
10      // BigInt('cust_id', unsigned: true);
11      dateTime('order_date');
12      timestamps();
13      char('cust_id');
14      foreign('cust_id', 'customers', 'cust_id');
15    });
16  }
17
18  @override
19  Future<void> down() async {
20    super.down();
21    await dropIfExists('orders');
22  }
23
24 }
```



```
1 import 'package:vania/vania.dart';
2
3 class CreateProductsTable extends Migration {
4   @override
5   Future<void> up() async {
6     super.up();
7     await createTableNotExists('products', () {
8       primary('prod_id');
9       string('prod_id', length: 10);
10      // BigInt('vend_id', unsigned: true);
11      string('prod_name', length: 25);
12      integer('prod_price', length: 11);
13      text('prod_desc');
14      timestamps();
15      char('vend_id', length: 5);
16
17      foreign('vend_id', 'vendors', 'vend_id');
18    });
19  }
20
21  @override
22  Future<void> down() async {
23    super.down();
24    await dropIfExists('products');
25  }
26
27 }
```

```

1  import 'dart:io';
2  import 'package:tugas_praktik_1_0/database/migrations/create_users_table.dart';
3  import 'package:vania/vania.dart';
4  import 'create_customers_table.dart';
5  import 'create_orders_table.dart';
6  import 'create_productnotes_table.dart';
7  import 'create_products_table.dart';
8  import 'create_vendors_table.dart';
9  import 'create_orderitems_table.dart';
10
11  Run | Debug
12  void main(List<String> args) async {
13    await MigrationConnection().setup();
14    if (args.isNotEmpty && args.first.toLowerCase() == "migrate:fresh") {
15      await Migrate().dropTables();
16    } else {
17      await Migrate().registry();
18    }
19    await MigrationConnection().closeConnection();
20    exit(0);
21  }
22
23  class Migrate {
24    registry() async {
25      // await CreateUserTable().up();
26      await CreateCustomersTable().up();
27      await CreateOrdersTable().up();
28      await CreateProductnotesTable().up();
29      await CreateProductsTable().up();
30      await CreateVendorsTable().up();
31      await CreateOrderitemsTable().up();
32    }
33
34    dropTables() async {
35      await CreateOrderitemsTable().down();
36      await CreateVendorsTable().down();
37      await CreateProductsTable().down();
38      await CreateProductnotesTable().down();
39      await CreateOrdersTable().down();
40      await CreateCustomersTable().down();
41      await CreateUserTable().down();
42    }
43  }

```

```

1  import 'package:vania/vania.dart';
2
3  class CreateUserTable extends Migration {
4    @override
5    Future<void> up() async {
6      super.up();
7      await createTableNotExists('users', () {
8        id();
9      });
10   }
11
12   @override
13   Future<void> down() async {
14     super.down();
15     await dropIfExists('users');
16   }
17
18   }

```

Relasi Table

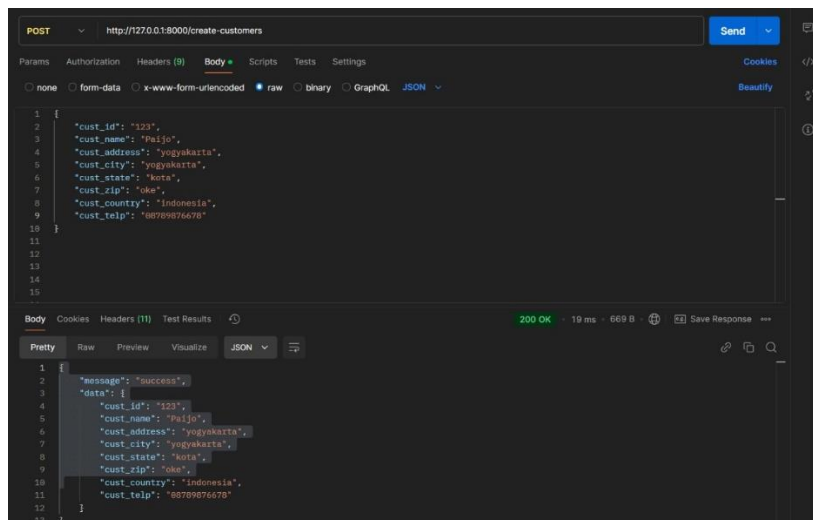
```
B:\Semester 5\Mobile Web Service Teori & Praktik\vania\tugas_praktik_1_0>vania migrate
Migration started
Create customers table..... 15ms DONE
Create vendors table..... 10ms DONE

B:\Semester 5\Mobile Web Service Teori & Praktik\vania\tugas_praktik_1_0>vania migrate
Migration started
Create customers table..... 3ms DONE
Create orders table..... 25ms DONE
Create products table..... 29ms DONE
Create vendors table..... 0ms DONE

B:\Semester 5\Mobile Web Service Teori & Praktik\vania\tugas_praktik_1_0>vania migrate
Migration started
Create customers table..... 2ms DONE
Create orders table..... 1ms DONE
Create productnotes table..... 19ms DONE
Create products table..... 1ms DONE
Create vendors table..... 1ms DONE

B:\Semester 5\Mobile Web Service Teori & Praktik\vania\tugas_praktik_1_0>vania migrate
Migration started
Create customers table..... 2ms DONE
Create orders table..... 1ms DONE
Create productnotes table..... 1ms DONE
Create products table..... 0ms DONE
Create vendors table..... 0ms DONE
Create orderitems table..... 29ms DONE
```

Disini hanya create



```

lib > app > http > controllers > costumers_controller.dart > CustomersController > create
1 import 'package:vania/vania.dart';
2 import 'package:tugas_praktik_1_0/app/models/customers.dart';
3
4 class CustomersController extends Controller {
5   // Mendapatkan semua pelanggan
6   Future<Response> index() async {
7     final customers = await Customers().query().get();
8     return Response.json({'data': customers});
9   }
10
11   // Menambahkan pelanggan baru
12   Future<Response> create(Request req) async {
13     req.validate({
14       'cust_id': 'required|string|max_length:5',
15       'cust_name': 'required|string|max_length:50',
16       'cust_address': 'required|string|max_length:100',
17       'cust_city': 'required|string|max_length:50',
18       'cust_state': 'required|string|max_length:25',
19       'cust_zip': 'required|string|max_length:7',
20       'cust_country': 'required|string|max_length:25',
21       'cust_telp': 'required|string|max_length:15',
22     }), {
23       'cust_id.required': 'tidak boleh kosong',
24       'cust_name.string': 'tidak boleh kosong',
25       'cust_address.required': 'tidak boleh kosong',
26       'cust_city.required': 'tidak boleh kosong',
27       'cust_state.required': 'tidak boleh kosong',
28       'cust_zip.required': 'tidak boleh kosong',
29       'cust_country.required': 'tidak boleh kosong',
30       'cust_telp.required': 'tidak boleh kosong',
31     });
32
33     final customerData = req.input();
34
35     // Cek apakah ID sudah ada
36     final existingCustomer = await Customers()
37       .query()
38       .where('cust_id', '=', customerData['cust_id'])
39       .first();
40
41     if (existingCustomer != null) {
42       return Response.json(
43         {'message': 'Pelanggan dengan ID ini sudah ada.'},
44       );
45     }
46   }
47 }

```

phpMyAdmin

Terbaru

Favorit

Baru

basicinfo

bengkel_honda

dagadu

database_loko_hjku

db

flaskmysql

haski

information_schema

mysql

performance_schema

phpmyadmin

project1

test

toki_sayur

Baru

users

lugas_10

lugas_10_baru

Baru

customers

ordentems

orders

productnotes

products

vendors

Server: 127.0.0.1

Database: lugas_10_baru

Label customers

Jelajahi

Struktur

SQL

Cari

Tambahkan

Ekspor

Impor

Hak Akses

Operasi

Trigger

Menampilkan baris 0 - 0 (total 1, Pencarian dilakukan dalam 0.0003 detik.)

SELECT * FROM "customers"

Profil [Edit direktori] [Ubah] [Jelaskan SQL] [Buat node PHP] [Segarkan]

☐ Tampilkan semua

Jumlah baris: 25

Saring baris: Cari di tabel ini

Extra options

+

T+

cust_id

cust_name

cust_address

cust_city

cust_state

cust_zip

cust_country

cust_telp

☐ Ubah

☐ Salin

☐ Hapus

123

Pajo

yogyakarta

yogyakarta

kota

oke

indonesia

08789876678

↶

Pilih Semua

Dengan pilihan:

Ubah

Salin

Hapus

Ekspor

☐ Tampilkan semua

Jumlah baris: 25

Saring baris: Cari di tabel ini

Operasi hasil kueri

Cetak

Salin ke clipboard

Ekspor

Tampilkan bagan

Buat tampilan