

JS 3

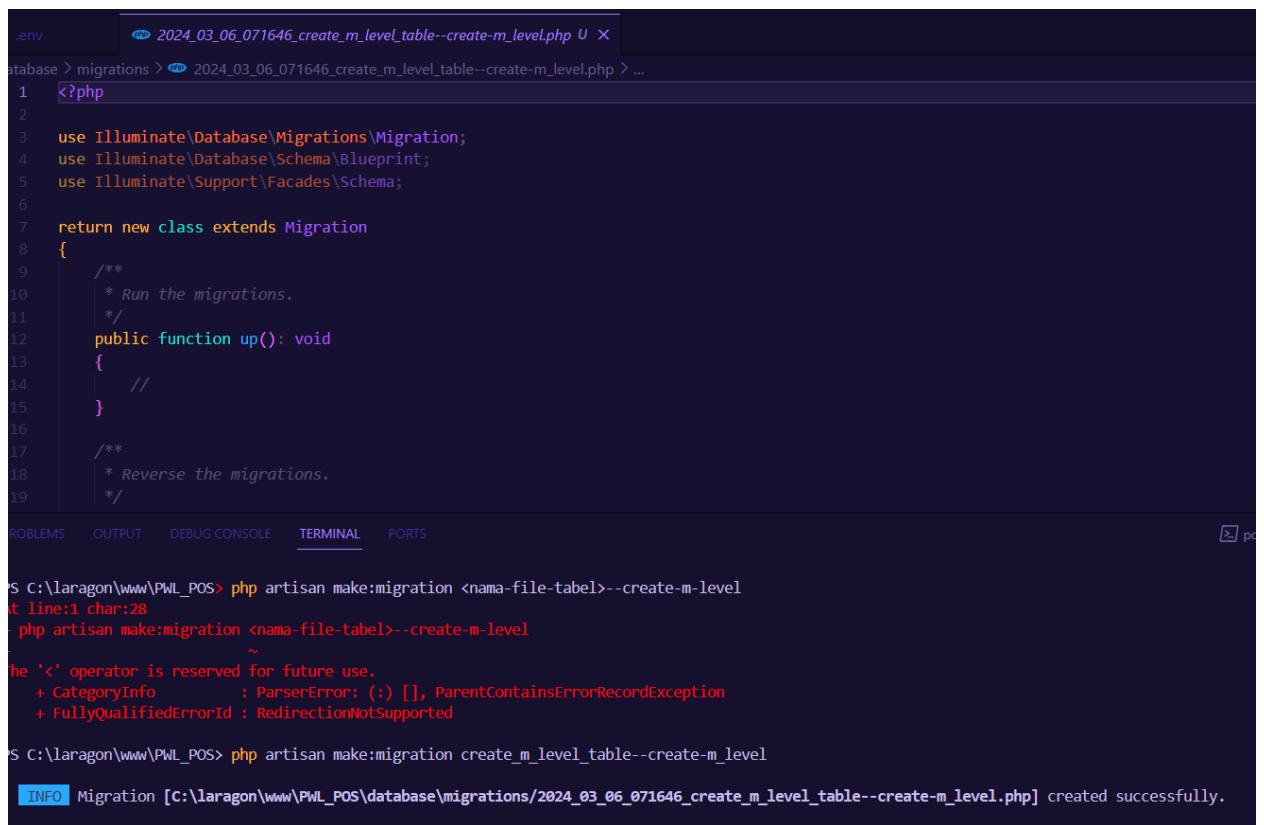
PENGATURAN DATABASE

```
APP_NAME=Laravel
APP_ENV=local
APP_KEY=base64:/zwS0+jICmGl0oxw8T8Re1yI1Zz1ZEVSbkKdKyMkUxE=
APP_DEBUG=true
APP_URL=http://localhost

LOG_CHANNEL=stack
LOG_DEPRECATIONS_CHANNEL=null
LOG_LEVEL=debug

DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=PWL_POS
DB_USERNAME=root
DB_PASSWORD=
```

MIGRATION



The screenshot shows a code editor with a migration file named `2024_03_06_071646_create_m_level_table--create-m_level.php`. The file contains the following code:

```
1 <?php
2
3 use Illuminate\Database\Migrations\Migration;
4 use Illuminate\Database\Schema\Blueprint;
5 use Illuminate\Support\Facades\Schema;
6
7 return new class extends Migration
8 {
9     /**
10      * Run the migrations.
11      */
12     public function up(): void
13     {
14         //
15     }
16
17     /**
18      * Reverse the migrations.
19      */
```

Below the code editor, the terminal shows the command `php artisan make:migration <nama-file-table>--create-m-level` being executed. The output shows an error: `ParserError: (:) [], ParentContainsErrorRecordException`. The command is then re-executed with the correct syntax: `php artisan make:migration create_m_level_table--create-m_level`. The terminal output shows the migration was created successfully.

```
S C:\laragon\www\PWL_POS> php artisan make:migration <nama-file-table>--create-m-level
at line:1 char:28
php artisan make:migration <nama-file-table>--create-m-level
~
The '<' operator is reserved for future use.
+ CategoryInfo          : ParserError: (:) [], ParentContainsErrorRecordException
+ FullyQualifiedErrorId : RedirectionNotSupported

S C:\laragon\www\PWL_POS> php artisan make:migration create_m_level_table--create-m_level

INFO Migration [C:\laragon\www\PWL_POS\database\Migrations\2024_03_06_071646_create_m_level_table--create-m_level.php] created successfully.
```

1.

```
7 return new class extends Migration
12 {
13     public function up(): void
14     {
15         Schema::create('m_level', function (Blueprint $table) {
16             $table->id('level_id');
17             $table->string('level_kode', 10)->unique();
18             $table->string('level_nama', 100);
19             $table->timestamps();
20         });
21     }
22 }
23 /**
24  * Reverse the migrations.
25  */
26 public function down(): void
27 {
28     Schema::dropIfExists('m_level');
29 }
}

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\laragon\www\PWL_POS> php artisan migrate

[INFO] Preparing database.

Creating migration table ..... 150ms DONE

[INFO] Running migrations.

2014_10_12_000000_create_users_table ..... 96ms DONE
2014_10_12_100000_create_password_reset_tokens_table ..... 17ms DONE
2019_08_19_000000_create_failed_jobs_table ..... 86ms DONE
2019_12_14_000001_create_personal_access_tokens_table ..... 80ms DONE
2024_03_06_071646_create_m_level_table--create-m_level ..... 153ms DONE

PS C:\laragon\www\PWL_POS>
```

2.

```
return new class extends Migration
{
    public function up(): void
    {
        Schema::create('m_kategori', function (Blueprint $table) {
            $table->id('kategori_id');
            $table->string('kategori_kode', 10)->unique();
            $table->string('kategori_nama', 100);
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     */
    public function down(): void
    {
        Schema::dropIfExists('m_kategori');
    }
};
```

3.

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> failed_jobs	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> migrations	★ Browse Structure Search Insert Empty Drop	11	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> m_barang	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
<input type="checkbox"/> m_kategori	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> m_level	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> m_user	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
<input type="checkbox"/> password_reset_tokens	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> personal_access_tokens	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> t_penjualan	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
<input type="checkbox"/> t_penjualan_detail	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
<input type="checkbox"/> t_stok	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
<input type="checkbox"/> users	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
12 tables	Sum	11	InnoDB	utf8mb4_0900_ai_ci	304.0 KiB	0 B

4.

SEEDER

```

use Illuminate\Support\Facades\DB;

0 references | 0 implementations
class LevelSeeder extends Seeder
{
    /**
     * Run the database seeds.
     */
    0 references | 0 overrides
    public function run(): void
    {
        $data = [
            ['level_id' => 1, 'level_kode' => 'ADM', 'level_nama' => 'Administrator'],
            ['level_kode' => 'MNG', 'level_id' => 2, 'level_nama' => 'Manager'],
            ['level_id' => 3, 'level_kode' => 'STF', 'level_nama' => 'Staff/Kasir'],
        ];
        DB::table('m_level')->insert($data);
    }
}

```

1.

```

class UserSeeder extends Seeder
{
    /**
     * Run the database seeds.
     */
    0 references | 0 overrides
    public function run(): void
    {
        $data = [
            [
                'user_id' => 1,
                'level_id' => 1,
                'username' => 'admin',
                'nama' => 'Administrator',
                'password' => Hash::make('12345'),
            ],
            [
                'user_id' => 2,
                'level_id' => 2,
                'username' => 'manager',
                'nama' => 'Manager',
                'password' => Hash::make('12345'),
            ],
            [
                'user id' => 3,
                'level_id' => 3,
                'username' => 'staff',
                'nama' => 'Staff/Kasir',
                'password' => Hash::make('12345'),
            ],
        ];
    }
}

```

2.

PWL_POS

app

bootstrap

config

database

factories

migrations

2014_10_12_000...

2014_10_12_100...

2019_08_19_000...

2019_12_14_000...

2024_03_06_071...

2024_03_06_072...

2024_03_06_073...

2024_03_06_074...

2024_03_06_075...

seeders

BarangSeed...

DatabaseSeed...

KategoriSeed...

LevelSeeder.php

PenjualanD...

PenjualanS...

StokSeeder...

UserSeeder.php

.gitignore

public

resources

routes

storage

tests

vendor

.editorconfig

.env

database > seeders > PenjualanDetailSeeder.php > PHP Intelephense > PenjualanDetailSeeder > run

class PenjualanDetailSeeder extends Seeder

0 references | 0 overrides

public function run(): void

{

\$data = [

['detail_id' => 1, 'id_penjualan' => 1, 'barang_id' => 1, 'harga' => 11000000, 'jumlah' => 11],

['detail_id' => 2, 'id_penjualan' => 1, 'barang_id' => 2, 'harga' => 12000000, 'jumlah' => 22],

['detail_id' => 3, 'id_penjualan' => 1, 'barang_id' => 3, 'harga' => 13000000, 'jumlah' => 33],

['detail_id' => 4, 'id_penjualan' => 2, 'barang_id' => 4, 'harga' => 14000000, 'jumlah' => 44],

['detail_id' => 5, 'id_penjualan' => 2, 'barang_id' => 5, 'harga' => 15000000, 'jumlah' => 55],

['detail_id' => 6, 'id_penjualan' => 2, 'barang_id' => 6, 'harga' => 6000000, 'jumlah' => 66],

['detail_id' => 7, 'id_penjualan' => 3, 'barang_id' => 7, 'harga' => 7000000, 'jumlah' => 77],

['detail_id' => 8, 'id_penjualan' => 3, 'barang_id' => 8, 'harga' => 8000000, 'jumlah' => 88],

['detail_id' => 9, 'id_penjualan' => 3, 'barang_id' => 9, 'harga' => 9000000, 'jumlah' => 99],

['detail_id' => 10, 'id_penjualan' => 4, 'barang_id' => 10, 'harga' => 10000000, 'jumlah' => 100],

['detail_id' => 11, 'id_penjualan' => 4, 'barang_id' => 1, 'harga' => 11000000, 'jumlah' => 111],

['detail_id' => 12, 'id_penjualan' => 4, 'barang_id' => 2, 'harga' => 12000000, 'jumlah' => 112],

['detail_id' => 13, 'id_penjualan' => 5, 'barang_id' => 3, 'harga' => 13000000, 'jumlah' => 113],

['detail_id' => 14, 'id_penjualan' => 5, 'barang_id' => 4, 'harga' => 14000000, 'jumlah' => 114],

['detail_id' => 15, 'id_penjualan' => 5, 'barang_id' => 5, 'harga' => 15000000, 'jumlah' => 115],

['detail_id' => 16, 'id_penjualan' => 6, 'barang_id' => 6, 'harga' => 16000000, 'jumlah' => 116],

['detail_id' => 17, 'id_penjualan' => 6, 'barang_id' => 7, 'harga' => 17000000, 'jumlah' => 117],

['detail_id' => 18, 'id_penjualan' => 6, 'barang_id' => 8, 'harga' => 18000000, 'jumlah' => 118],

['detail_id' => 19, 'id_penjualan' => 7, 'barang_id' => 9, 'harga' => 19000000, 'jumlah' => 119],

['detail_id' => 20, 'id_penjualan' => 7, 'barang_id' => 10, 'harga' => 20000000, 'jumlah' => 210],

['detail_id' => 21, 'id_penjualan' => 7, 'barang_id' => 1, 'harga' => 21000000, 'jumlah' => 211],

['detail_id' => 22, 'id_penjualan' => 8, 'barang_id' => 2, 'harga' => 22000000, 'jumlah' => 212],

['detail_id' => 23, 'id_penjualan' => 8, 'barang_id' => 3, 'harga' => 23000000, 'jumlah' => 213],

['detail_id' => 24, 'id_penjualan' => 8, 'barang_id' => 4, 'harga' => 24000000, 'jumlah' => 214],

['detail_id' => 25, 'id_penjualan' => 9, 'barang_id' => 5, 'harga' => 25000000, 'jumlah' => 215],

['detail_id' => 26, 'id_penjualan' => 9, 'barang_id' => 6, 'harga' => 26000000, 'jumlah' => 216],

['detail_id' => 27, 'id_penjualan' => 9, 'barang_id' => 7, 'harga' => 27000000, 'jumlah' => 271],

['detail_id' => 28, 'id_penjualan' => 10, 'barang_id' => 8, 'harga' => 28000000, 'jumlah' => 281],

['detail_id' => 29, 'id_penjualan' => 10, 'barang_id' => 9, 'harga' => 29000000, 'jumlah' => 291],

['detail_id' => 30, 'id_penjualan' => 10, 'barang_id' => 10, 'harga' => 30000000, 'jumlah' => 301],

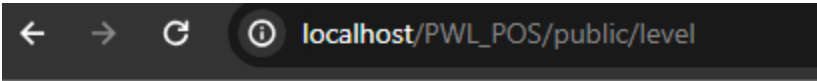
];

DB::table('t_penjualan_detail')->insert(\$data);

}

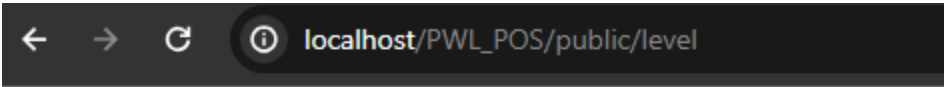
3.

DB FACADE



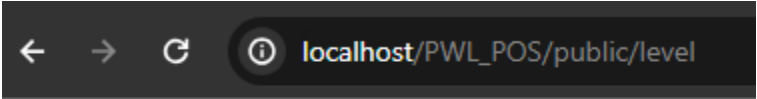
Insert data baru berhasil

1.



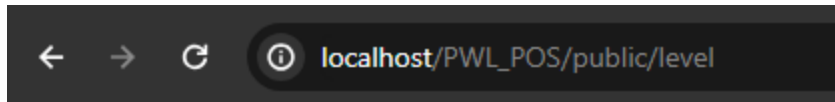
Update data berhasil. Jumlah data yang diupdate: 1 baris

2.



Delete data berhasil. Jumlah data yang dihapus: 1 baris

3.

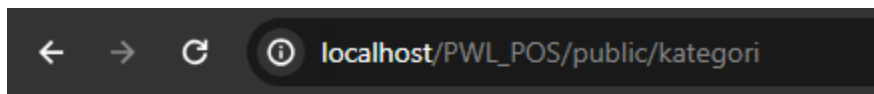


Data Level Pengguna

ID	Kode Level	Nama Level
1	ADM	Administrator
2	MNG	Manager
3	STF	Staff/Kasir

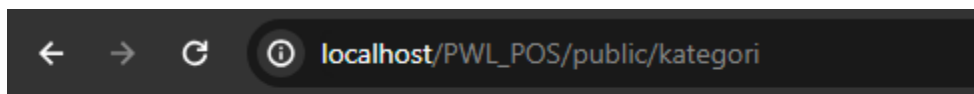
4.

QUERY BUILDER



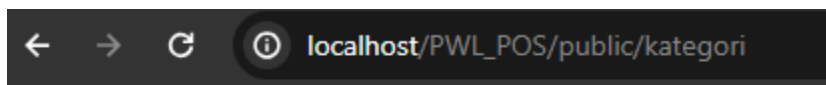
Insert data baru berhasil

1.



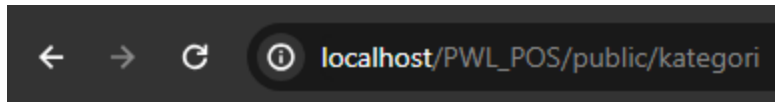
Update data berhasil. Jumlah data yang diupdate: 1 baris

2.



Delete data berhasil. Jumlah data yang dihapus: 1 baris

3.

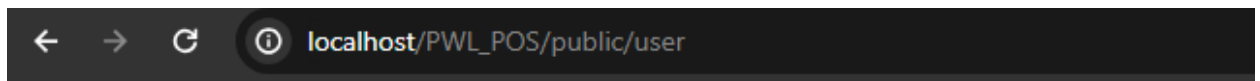


Data Kategori

ID	Kode Kategori	Nama Kategori
1	KT1	CPU
2	KT2	VGA
3	KT3	RAM
4	KT4	SSD
5	KT5	PSU

4.

ELOQUENT ORM



Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1
2	manager	Manager	2
3	staff	Staff/Kasir	3

1.

Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1
2	manager	Manager	2
3	staff	Staff/Kasir	3
4	customer-1	Pelanggan	2

2.