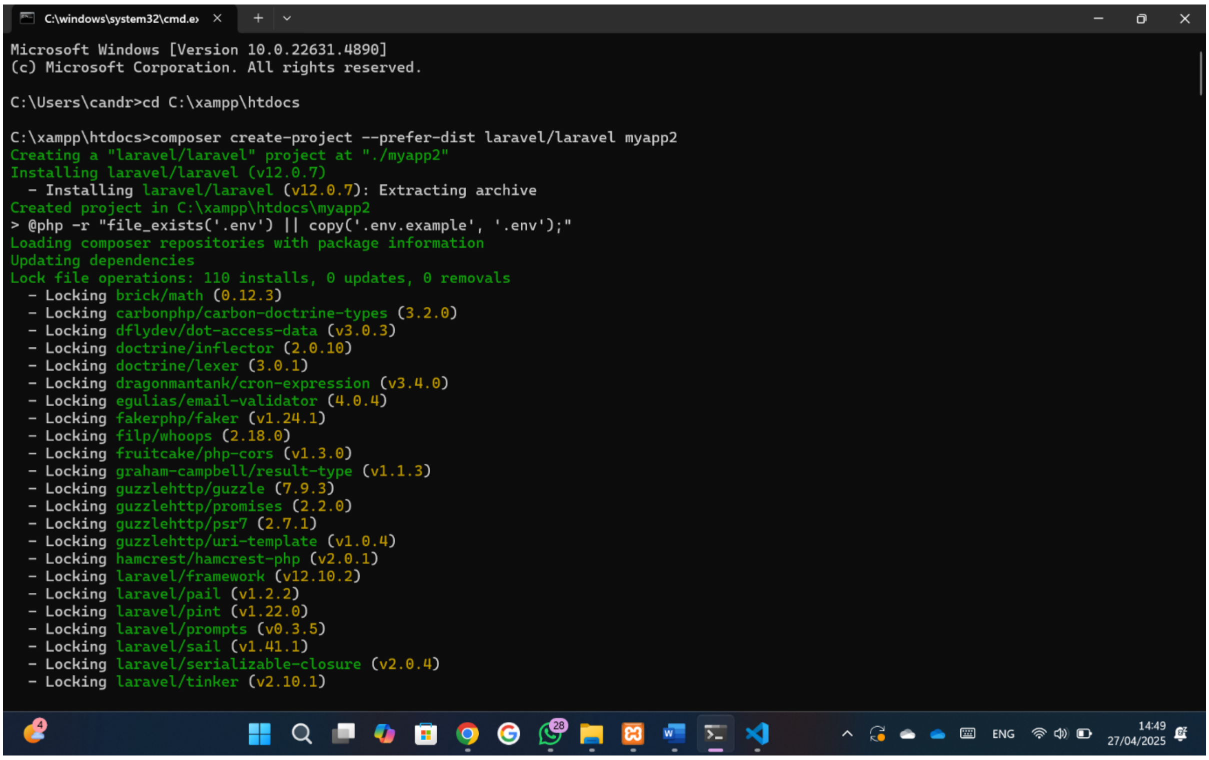
Nama : Muhammad Candra Firmansyah

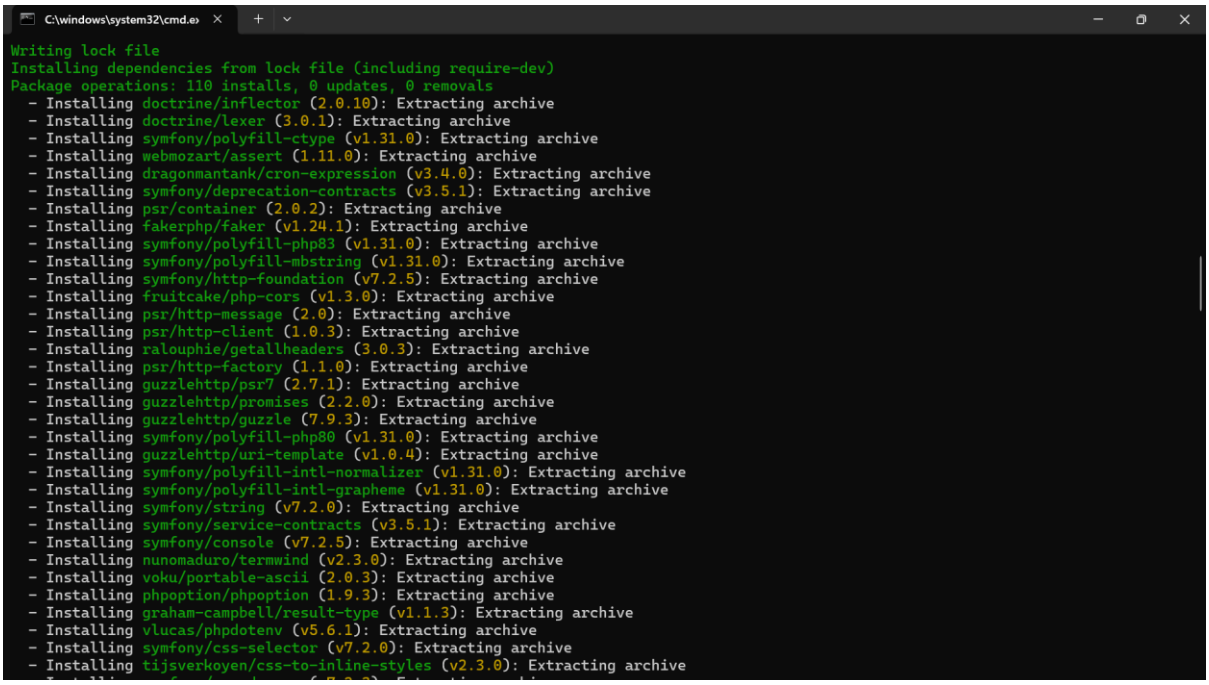
Kelas : G.231.23.0166

Matkul : Praktikum 1 Framework

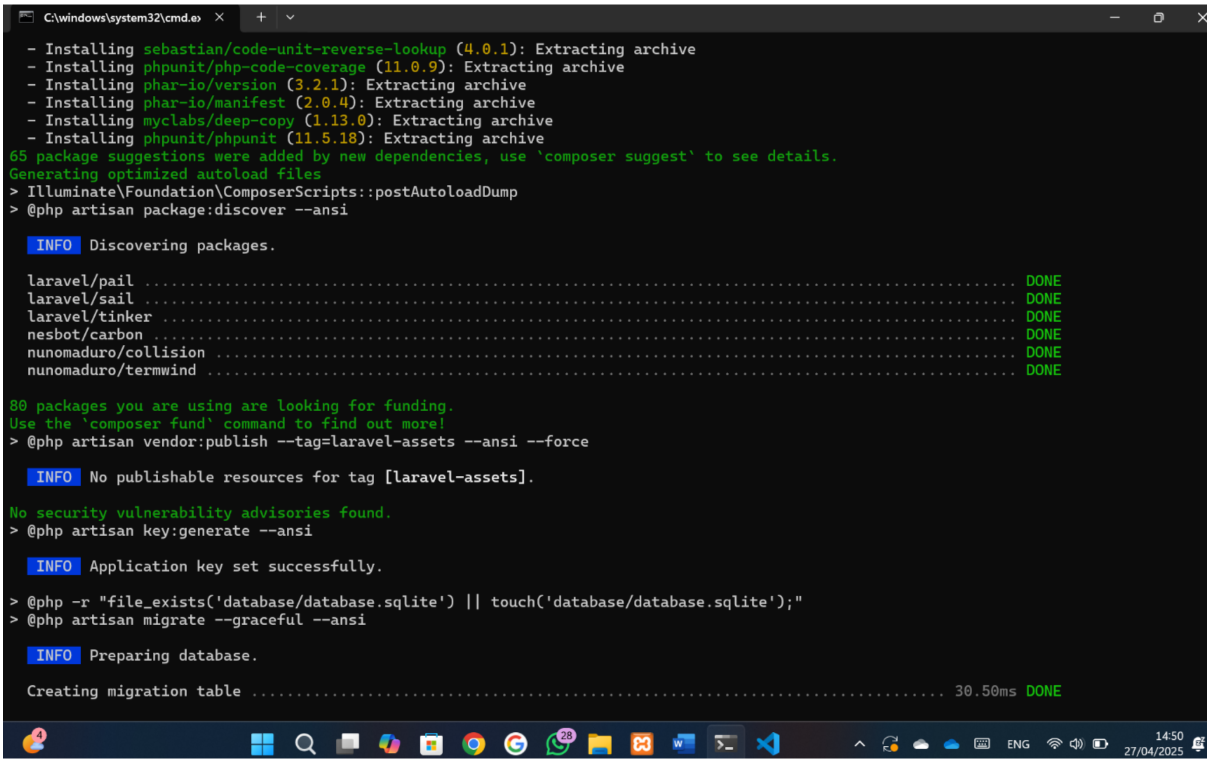
1. Instalasi Laravel



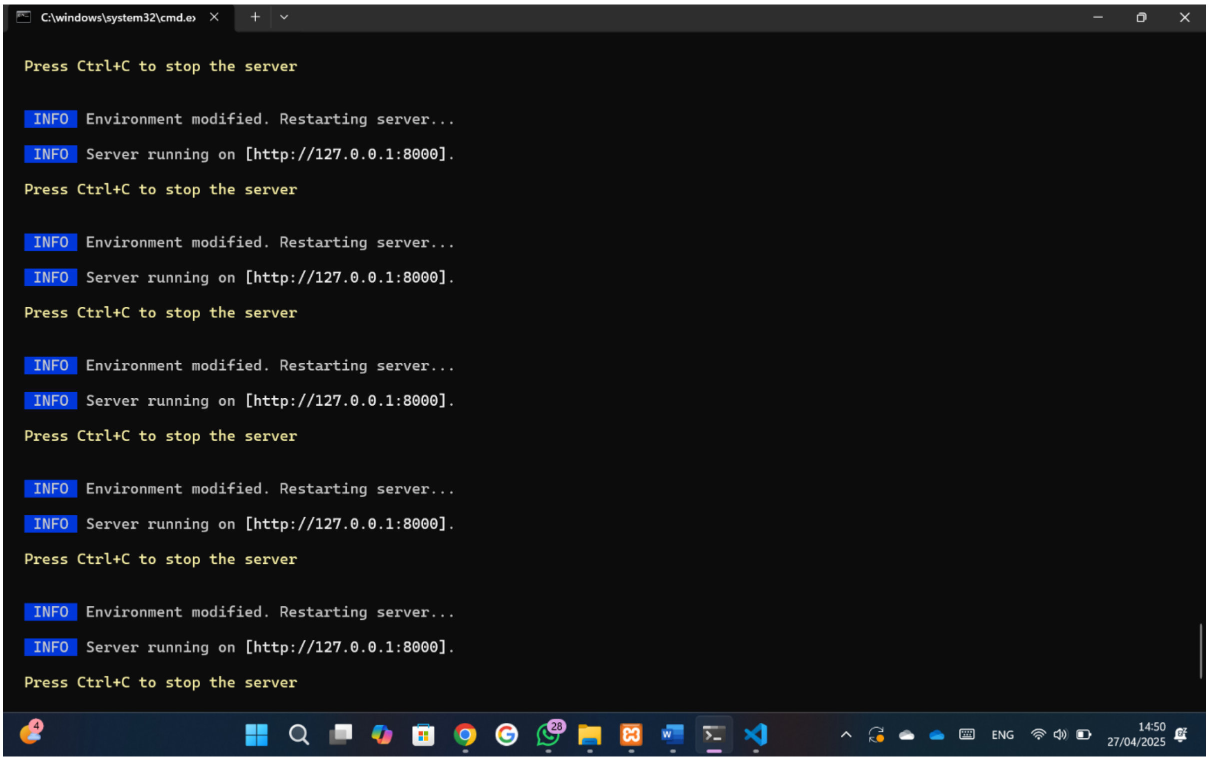
```
Microsoft Windows [Version 10.0.22631.4890]
(c) Microsoft Corporation. All rights reserved.

C:\Users\candr>cd C:\xampp\htdocs

C:\xampp\htdocs>composer create-project --prefer-dist laravel/laravel myapp2
Creating a "laravel/laravel" project at "./myapp2"
Installing laravel/laravel (v12.0.7)
  - Installing laravel/laravel (v12.0.7): Extracting archive
Created project in C:\xampp\htdocs\myapp2
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 110 installs, 0 updates, 0 removals
  - Locking brick/math (0.12.3)
  - Locking carbonphp/carbon-doctrine-types (3.2.0)
  - Locking dflydev/dot-access-data (v3.0.3)
  - Locking doctrine/inflector (2.0.10)
  - Locking doctrine/lexer (3.0.1)
  - Locking dragonmantank/cron-expression (v3.4.0)
  - Locking egulias/email-validator (4.0.4)
  - Locking fakerphp/faker (v1.24.1)
  - Locking filp/whoops (2.18.0)
  - Locking fruitcake/php-cors (v1.3.0)
  - Locking graham-campbell/result-type (v1.1.3)
  - Locking guzzlehttp/guzzle (7.9.3)
  - Locking guzzlehttp/promises (2.2.0)
  - Locking guzzlehttp/psr7 (2.7.1)
  - Locking guzzlehttp/uri-template (v1.0.4)
  - Locking hamcrest/hamcrest-php (v2.0.1)
  - Locking laravel/framework (v12.10.2)
  - Locking laravel/pail (v1.2.2)
  - Locking laravel/pint (v1.22.0)
  - Locking laravel/prompts (v0.3.5)
  - Locking laravel/sail (v1.41.1)
  - Locking laravel/serializable-closure (v2.0.4)
  - Locking laravel/tinker (v2.10.1)
```



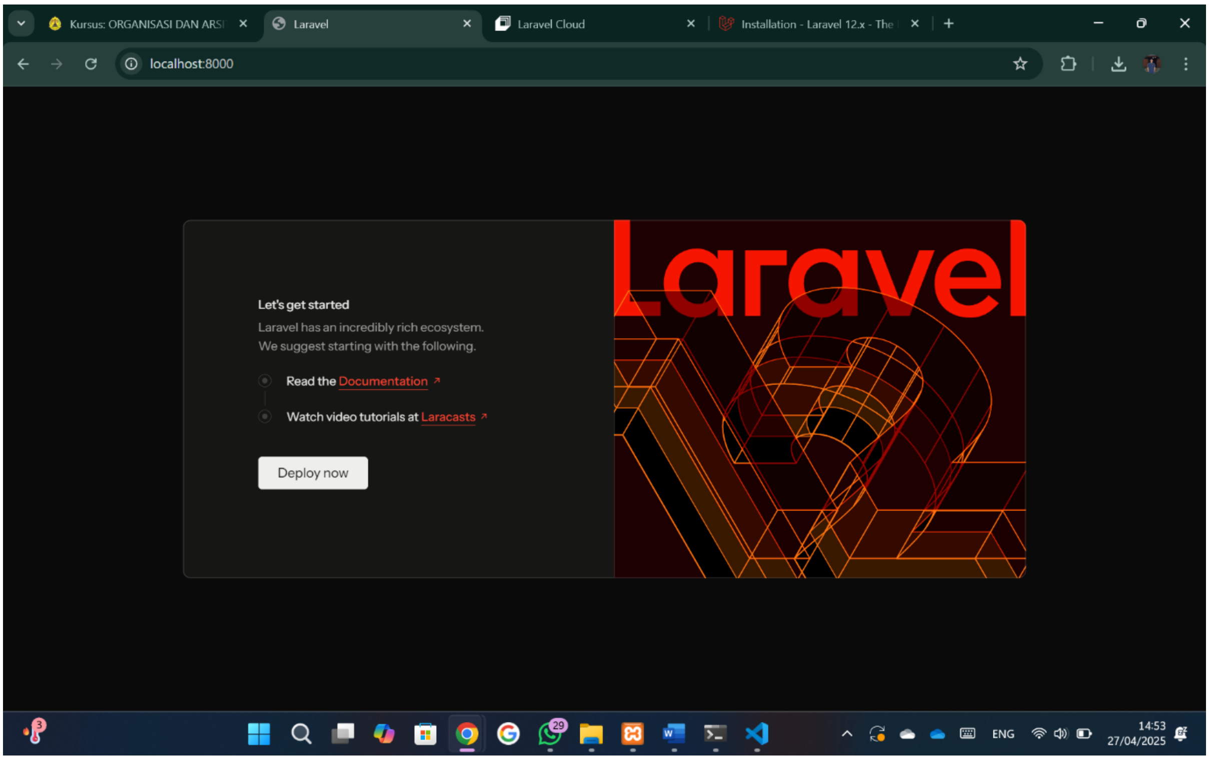
```
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 110 installs, 0 updates, 0 removals
  - Installing doctrine/inflector (2.0.10): Extracting archive
  - Installing doctrine/lexer (3.0.1): Extracting archive
  - Installing symfony/polyfill-ctype (v1.31.0): Extracting archive
  - Installing webmozart/assert (1.11.0): Extracting archive
  - Installing dragonmantank/cron-expression (v3.4.0): Extracting archive
  - Installing symfony/deprecation-contracts (v3.5.1): Extracting archive
  - Installing psr/container (2.0.2): Extracting archive
  - Installing fakerphp/faker (v1.24.1): Extracting archive
  - Installing symfony/polyfill-php83 (v1.31.0): Extracting archive
  - Installing symfony/polyfill-mbstring (v1.31.0): Extracting archive
  - Installing symfony/http-foundation (v7.2.5): Extracting archive
  - Installing fruitcake/php-cors (v1.3.0): Extracting archive
  - Installing psr/http-message (2.0): Extracting archive
  - Installing psr/http-client (1.0.3): Extracting archive
  - Installing ralouphie/getallheaders (3.0.3): Extracting archive
  - Installing psr/http-factory (1.1.0): Extracting archive
  - Installing guzzlehttp/psr7 (2.7.1): Extracting archive
  - Installing guzzlehttp/promises (2.2.0): Extracting archive
  - Installing guzzlehttp/guzzle (7.9.3): Extracting archive
  - Installing symfony/polyfill-php80 (v1.31.0): Extracting archive
  - Installing guzzlehttp/uri-template (v1.0.4): Extracting archive
  - Installing symfony/polyfill-intl-normalizer (v1.31.0): Extracting archive
  - Installing symfony/polyfill-intl-grapheme (v1.31.0): Extracting archive
  - Installing symfony/string (v7.2.0): Extracting archive
  - Installing symfony/service-contracts (v3.5.1): Extracting archive
  - Installing symfony/console (v7.2.5): Extracting archive
  - Installing nunomaduro/termwind (v2.3.0): Extracting archive
  - Installing voku/portable-ascii (2.0.3): Extracting archive
  - Installing phpoption/phpoption (1.9.3): Extracting archive
  - Installing graham-campbell/result-type (v1.1.3): Extracting archive
  - Installing vlucas/phpdotenv (v5.6.1): Extracting archive
  - Installing symfony/css-selector (v7.2.0): Extracting archive
  - Installing tijsverkoyen/css-to-inline-styles (v2.3.0): Extracting archive
```



```
  - Installing sebastian/code-unit-reverse-lookup (4.0.1): Extracting archive
  - Installing phpunit/php-code-coverage (11.0.9): Extracting archive
  - Installing phar-io/version (3.2.1): Extracting archive
  - Installing phar-io/manifest (2.0.4): Extracting archive
  - Installing myclabs/deep-copy (1.13.0): Extracting archive
  - Installing phpunit/phpunit (11.5.18): Extracting archive
65 package suggestions were added by new dependencies, use `composer suggest` to see details.
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

  INFO  Discovering packages.

  laravel/pail ........................................................................................ DONE
  laravel/sail ........................................................................................ DONE
  laravel/tinker ...................................................................................... DONE
  nesbot/carbon ....................................................................................... DONE
  nunomaduro/collision ................................................................................ DONE
  nunomaduro/termwind ................................................................................. DONE

80 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi --force

  INFO  No publishable resources for tag [laravel-assets].

No security vulnerability advisories found.
> @php artisan key:generate --ansi

  INFO  Application key set successfully.

> @php -r "file_exists('database/database.sqlite') || touch('database/database.sqlite');"
> @php artisan migrate --graceful --ansi

  INFO  Preparing database.

  Creating migration table ................................................................. 30.50ms DONE
```



```
  Press Ctrl+C to stop the server


  INFO  Environment modified. Restarting server...

  INFO  Server running on [http://127.0.0.1:8000].

  Press Ctrl+C to stop the server


  INFO  Environment modified. Restarting server...

  INFO  Server running on [http://127.0.0.1:8000].

  Press Ctrl+C to stop the server


  INFO  Environment modified. Restarting server...

  INFO  Server running on [http://127.0.0.1:8000].

  Press Ctrl+C to stop the server


  INFO  Environment modified. Restarting server...

  INFO  Server running on [http://127.0.0.1:8000].

  Press Ctrl+C to stop the server


  INFO  Environment modified. Restarting server...

  INFO  Server running on [http://127.0.0.1:8000].

  Press Ctrl+C to stop the server
```


Kursus: ORGANISASI DAN ARSI
Laravel
Laravel Cloud
Installation - Laravel 12.x - The
localhost:8000
Laravel
ENG
14:53
27/04/2025

Let's get started

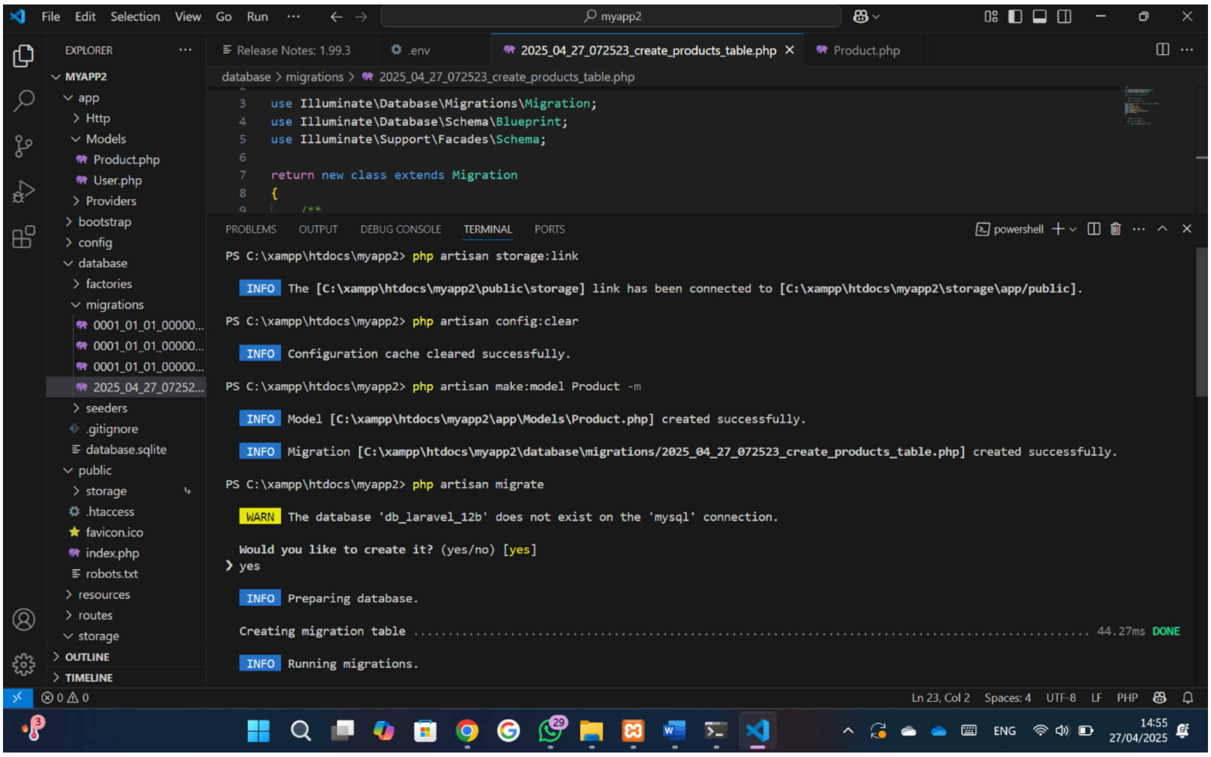
Laravel has an incredibly rich ecosystem.
We suggest starting with the following.

Read the Documentation

Watch video tutorials at Laracasts

Deploy now

2. Konfigurasi System

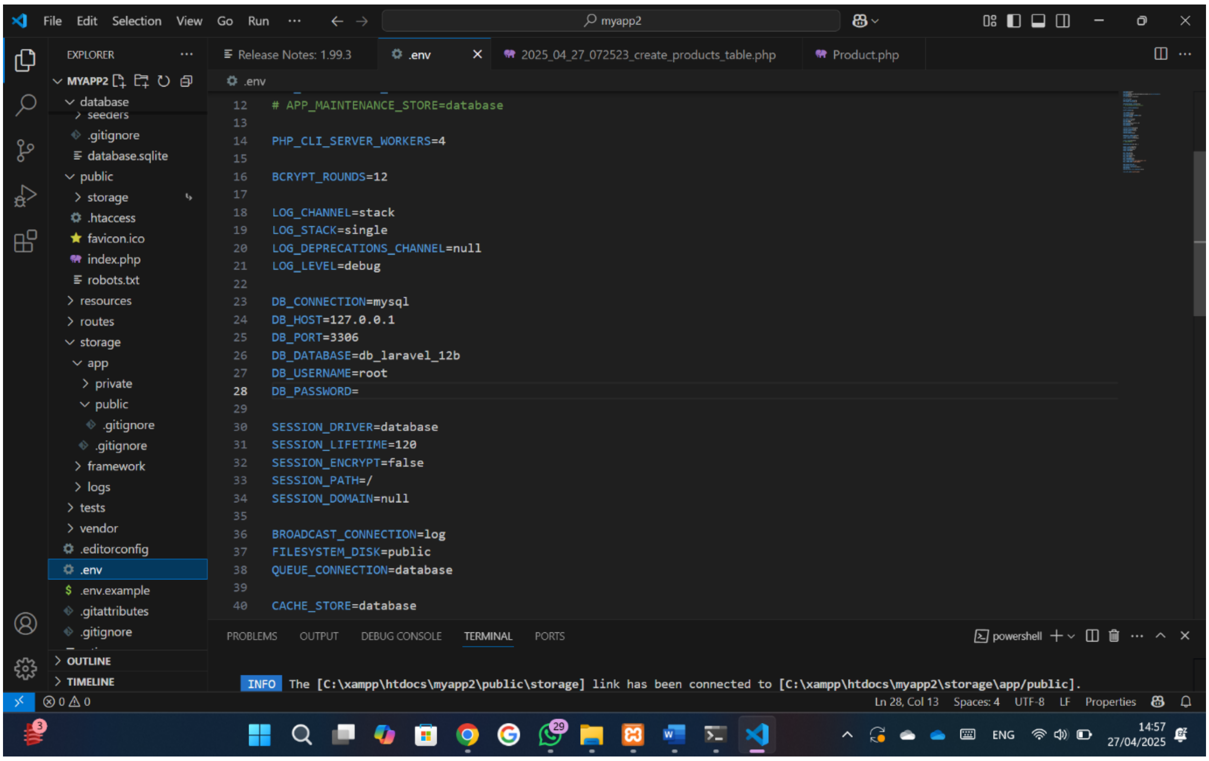

File
Edit
Selection
View
Go
Run
myapp2
EXPLORER
MYAPP2
app
Http
Models
Product.php
User.php
Providers
bootstrap
config
database
factories
migrations
0001_01_01_00000...
0001_01_01_00000...
0001_01_01_00000...
2025_04_27_07252...
seeders
.gitignore
database.sqlite
public
storage
.htaccess
favicon.ico
index.php
robots.txt
resources
routes
storage
OUTLINE
TIMELINE
Release Notes: 1.99.3
.env
2025_04_27_072523_create_products_table.php
Product.php
database > migrations > 2025_04_27_072523_create_products_table.php
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
powershell
0
0
Ln 23, Col 2
Spaces: 4
UTF-8
LF
PHP
ENG
14:55
27/04/2025

```php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
```

```
PS C:\xampp\htdocs\myapp2> php artisan storage:link

  INFO  The [C:\xampp\htdocs\myapp2\public\storage] link has been connected to [C:\xampp\htdocs\myapp2\storage\app/public].

PS C:\xampp\htdocs\myapp2> php artisan config:clear

  INFO  Configuration cache cleared successfully.

PS C:\xampp\htdocs\myapp2> php artisan make:model Product -m

  INFO  Model [C:\xampp\htdocs\myapp2\app\Models\Product.php] created successfully.

  INFO  Migration [C:\xampp\htdocs\myapp2\database\migrations/2025_04_27_072523_create_products_table.php] created successfully.

PS C:\xampp\htdocs\myapp2> php artisan migrate

  WARN  The database 'db_laravel_12b' does not exist on the 'mysql' connection.

  Would you like to create it? (yes/no) [yes]
❯ yes

  INFO  Preparing database.

  Creating migration table .......................................................................................... 44.27ms DONE

  INFO  Running migrations.
```

3. Membuat model dan migration

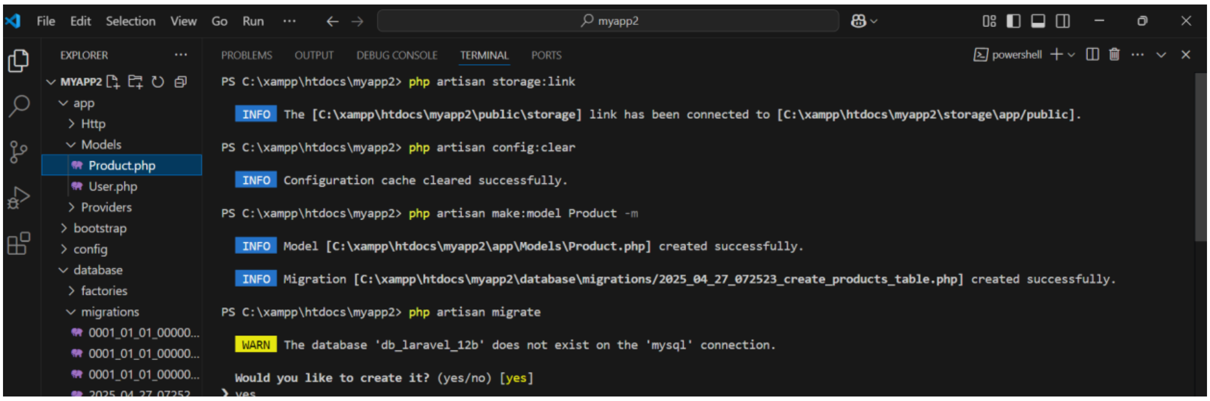
Langkah 1 - Konfigurasi Koneksi Database


File Edit Selection View Go Run
myapp2
EXPLORER
MYAPP2
Release Notes: 1.99.3
.env
2025_04_27_072523_create_products_table.php
Product.php
database
seeders
.gitignore
database.sqlite
public
storage
.htaccess
favicon.ico
index.php
robots.txt
resources
routes
storage
app
private
public
.gitignore
.gitignore
framework
logs
tests
vendor
.editorconfig
.env
.env.example
.gitattributes
.gitignore
OUTLINE
TIMELINE
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell
Ln 28, Col 13 Spaces: 4 UTF-8 LF Properties
ENG
14:57
27/04/2025

```
# APP_MAINTENANCE_STORE=database

PHP_CLI_SERVER_WORKERS=4

BCRYPT_ROUNDS=12

LOG_CHANNEL=stack
LOG_STACK=single
LOG_DEPRECATIONS_CHANNEL=null
LOG_LEVEL=debug

DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=db_laravel_12b
DB_USERNAME=root
DB_PASSWORD=

SESSION_DRIVER=database
SESSION_LIFETIME=120
SESSION_ENCRYPT=false
SESSION_PATH=/
SESSION_DOMAIN=null

BROADCAST_CONNECTION=log
FILESYSTEM_DISK=public
QUEUE_CONNECTION=database

CACHE_STORE=database
```

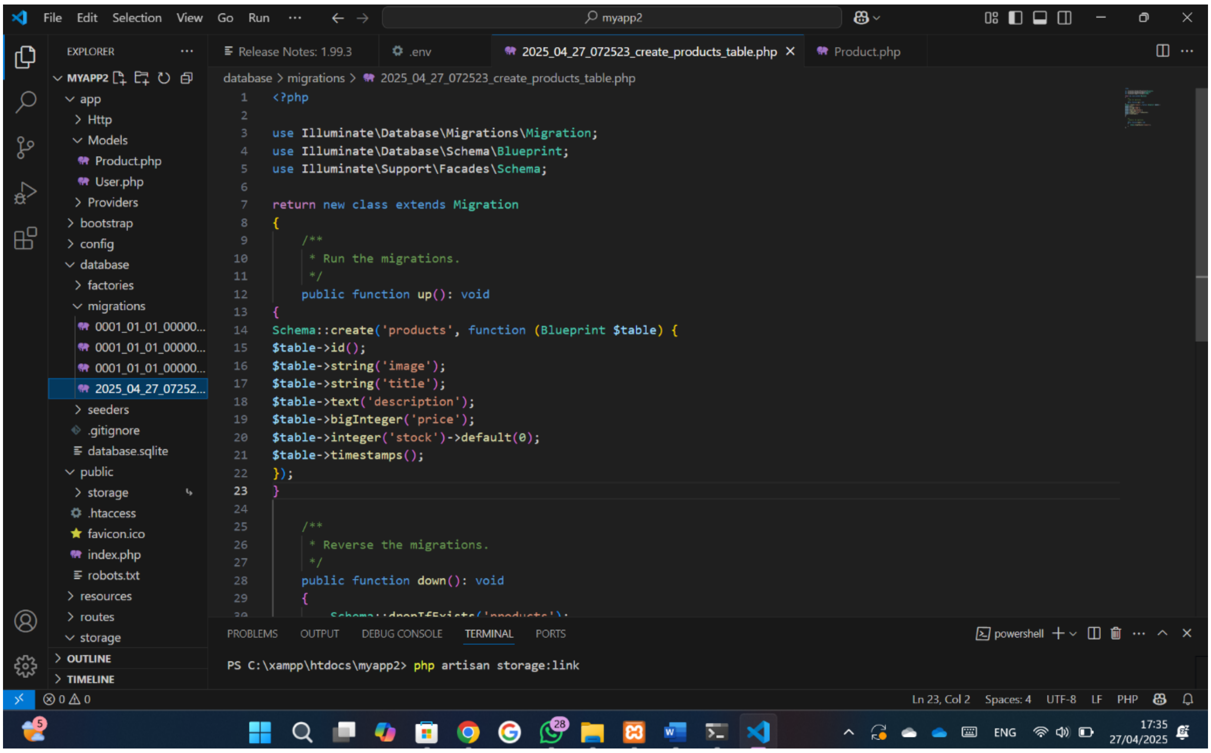
```
  INFO  The [C:\xampp\htdocs\myapp2\public\storage] link has been connected to [C:\xampp\htdocs\myapp2\storage\app/public].
```

Langkah 2 - Membuat Model dan Migration Di Laravel


File Edit Selection View Go Run
myapp2
EXPLORER
MYAPP2
app
Http
Models
Product.php
User.php
Providers
bootstrap
config
database
factories
migrations
0001_01_01_00000...
0001_01_01_00000...
0001_01_01_00000...
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell

```
PS C:\xampp\htdocs\myapp2> php artisan storage:link

  INFO  The [C:\xampp\htdocs\myapp2\public\storage] link has been connected to [C:\xampp\htdocs\myapp2\storage\app/public].

PS C:\xampp\htdocs\myapp2> php artisan config:clear

  INFO  Configuration cache cleared successfully.

PS C:\xampp\htdocs\myapp2> php artisan make:model Product -m

  INFO  Model [C:\xampp\htdocs\myapp2\app\Models\Product.php] created successfully.

  INFO  Migration [C:\xampp\htdocs\myapp2\database\migrations/2025_04_27_072523_create_products_table.php] created successfully.

PS C:\xampp\htdocs\myapp2> php artisan migrate

  WARN  The database 'db_laravel_12b' does not exist on the 'mysql' connection.

  Would you like to create it? (yes/no) [yes]
❯ yes
```

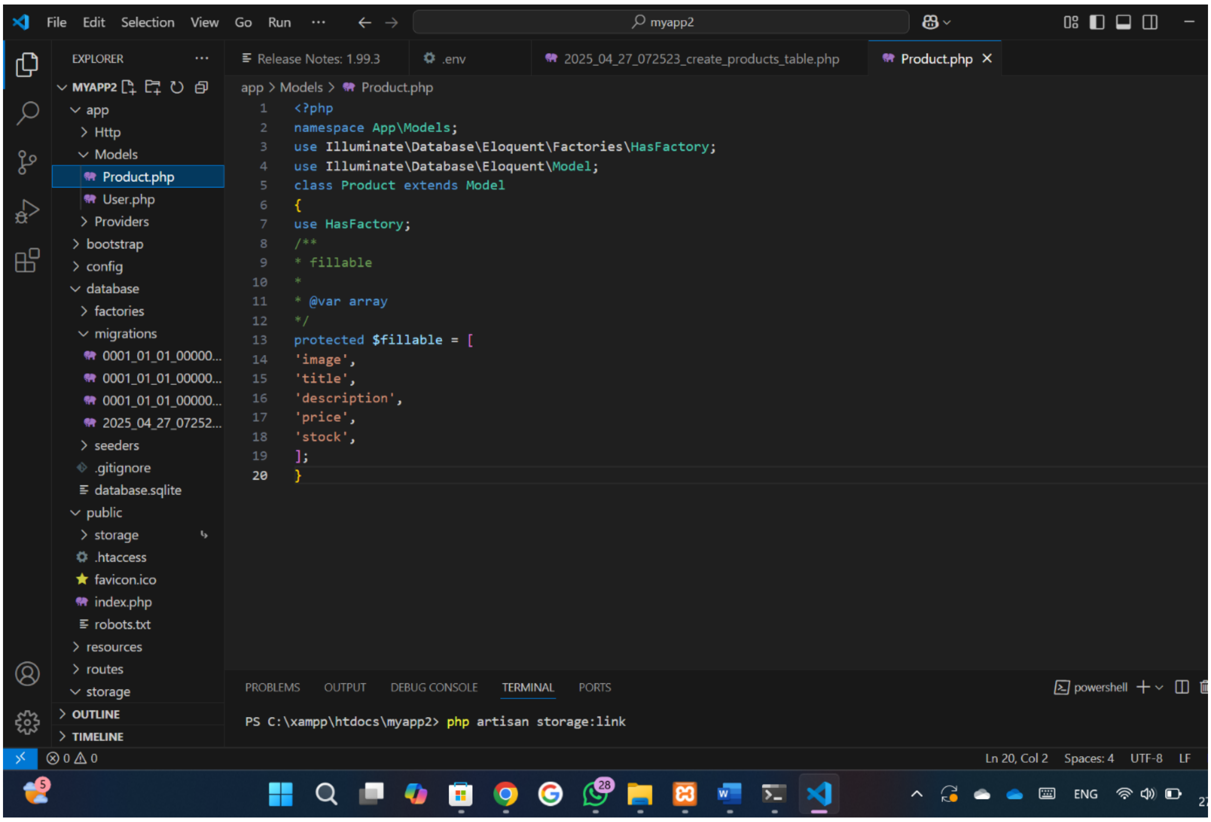
Langkah 3 - Menambahkan Field / Kolom di Migration


myapp2
EXPLORER
MYAPP2
Release Notes: 1.99.3
.env
2025_04_27_072523_create_products_table.php
Product.php
database > migrations > 2025_04_27_072523_create_products_table.php
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
powershell
Ln 23, Col 2
Spaces: 4
UTF-8
LF
PHP
17:35
27/04/2025

```php
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.
     */
    public function up(): void
{
Schema::create('products', function (Blueprint $table) {
$table->id();
$table->string('image');
$table->string('title');
$table->text('description');
$table->bigInteger('price');
$table->integer('stock')->default(0);
$table->timestamps();
});
}

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

```
PS C:\xampp\htdocs\myapp2> php artisan storage:link
```

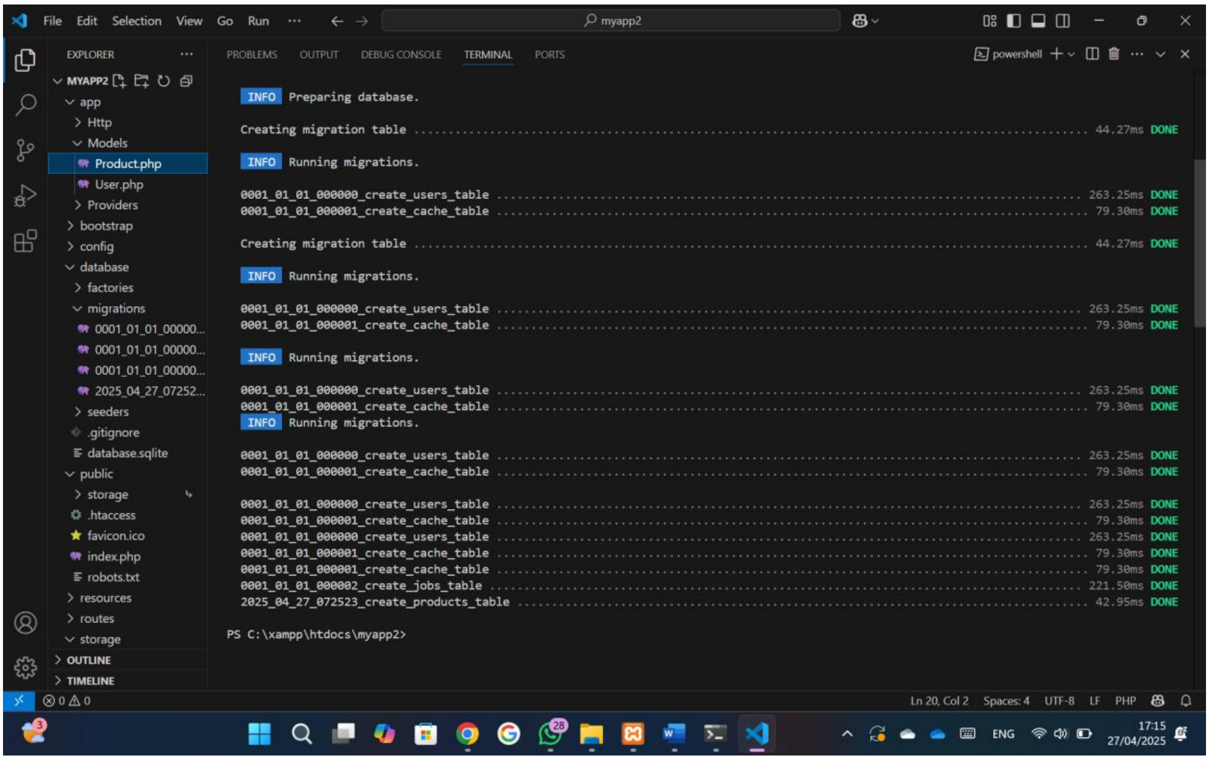
Langkah 4 - Konfigurasi Mass Assigment


myapp2
EXPLORER
MYAPP2
Release Notes: 1.99.3
.env
2025_04_27_072523_create_products_table.php
Product.php
app > Models > Product.php
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
powershell
Ln 20, Col 2
Spaces: 4
UTF-8
LF

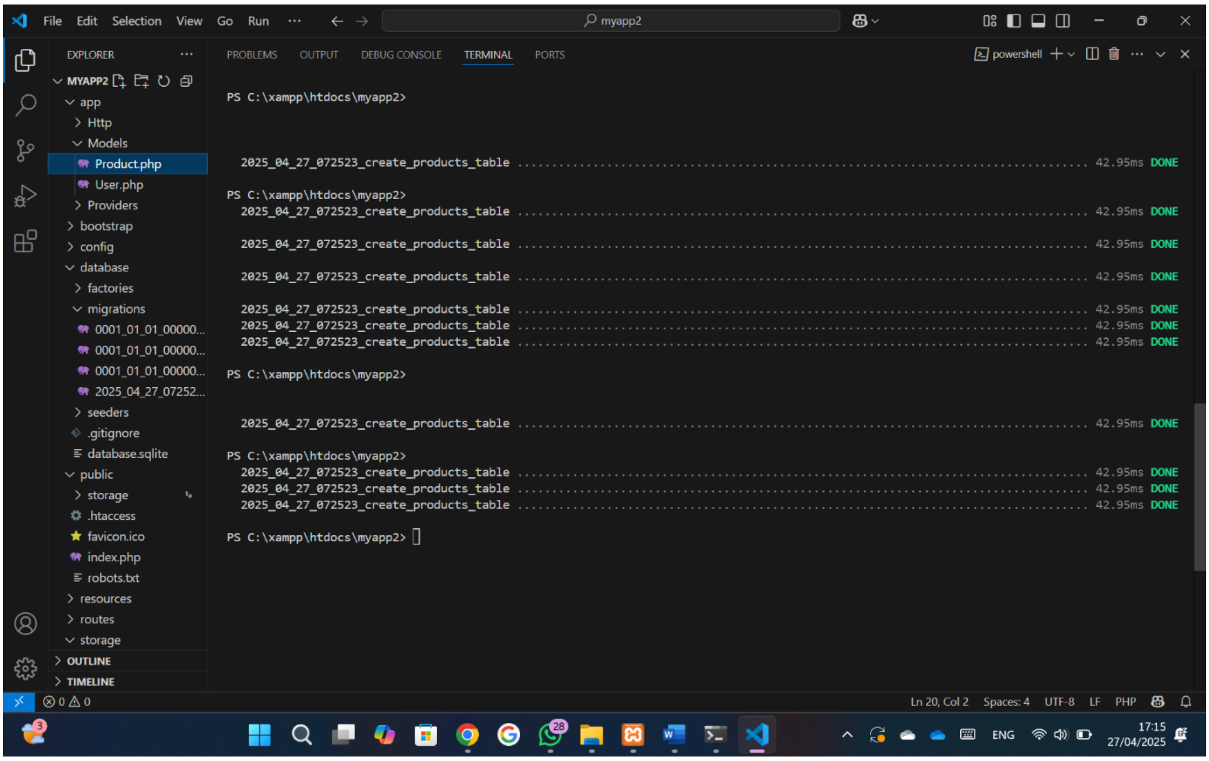
```php
<?php
namespace App\Models;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;
class Product extends Model
{
use HasFactory;
/**
* fillable
*
* @var array
*/
protected $fillable = [
'image',
'title',
'description',
'price',
'stock',
];
}
```

```
PS C:\xampp\htdocs\myapp2> php artisan storage:link
```

Langkah 5 - Menjalankan Migration



```
  INFO  Preparing database.

  Creating migration table ................................................................... 44.27ms DONE

  INFO  Running migrations.

  0001_01_01_000000_create_users_table ...................................................... 263.25ms DONE
  0001_01_01_000001_create_cache_table ....................................................... 79.30ms DONE

  Creating migration table ................................................................... 44.27ms DONE

  INFO  Running migrations.

  0001_01_01_000000_create_users_table ...................................................... 263.25ms DONE
  0001_01_01_000001_create_cache_table ....................................................... 79.30ms DONE

  INFO  Running migrations.

  0001_01_01_000000_create_users_table ...................................................... 263.25ms DONE
  0001_01_01_000001_create_cache_table ....................................................... 79.30ms DONE
  INFO  Running migrations.

  0001_01_01_000000_create_users_table ...................................................... 263.25ms DONE
  0001_01_01_000001_create_cache_table ....................................................... 79.30ms DONE

  0001_01_01_000000_create_users_table ...................................................... 263.25ms DONE
  0001_01_01_000001_create_cache_table ....................................................... 79.30ms DONE
  0001_01_01_000000_create_users_table ...................................................... 263.25ms DONE
  0001_01_01_000001_create_cache_table ....................................................... 79.30ms DONE
  0001_01_01_000001_create_cache_table ....................................................... 79.30ms DONE
  0001_01_01_000002_create_jobs_table ....................................................... 221.50ms DONE
  2025_04_27_072523_create_products_table .................................................... 42.95ms DONE

PS C:\xampp\htdocs\myapp2>
```



```
PS C:\xampp\htdocs\myapp2>


  2025_04_27_072523_create_products_table .................................................... 42.95ms DONE

PS C:\xampp\htdocs\myapp2>
  2025_04_27_072523_create_products_table .................................................... 42.95ms DONE

  2025_04_27_072523_create_products_table .................................................... 42.95ms DONE

  2025_04_27_072523_create_products_table .................................................... 42.95ms DONE

  2025_04_27_072523_create_products_table .................................................... 42.95ms DONE
  2025_04_27_072523_create_products_table .................................................... 42.95ms DONE
  2025_04_27_072523_create_products_table .................................................... 42.95ms DONE

PS C:\xampp\htdocs\myapp2>


  2025_04_27_072523_create_products_table .................................................... 42.95ms DONE

PS C:\xampp\htdocs\myapp2>
  2025_04_27_072523_create_products_table .................................................... 42.95ms DONE
  2025_04_27_072523_create_products_table .................................................... 42.95ms DONE
  2025_04_27_072523_create_products_table .................................................... 42.95ms DONE

PS C:\xampp\htdocs\myapp2> 
```