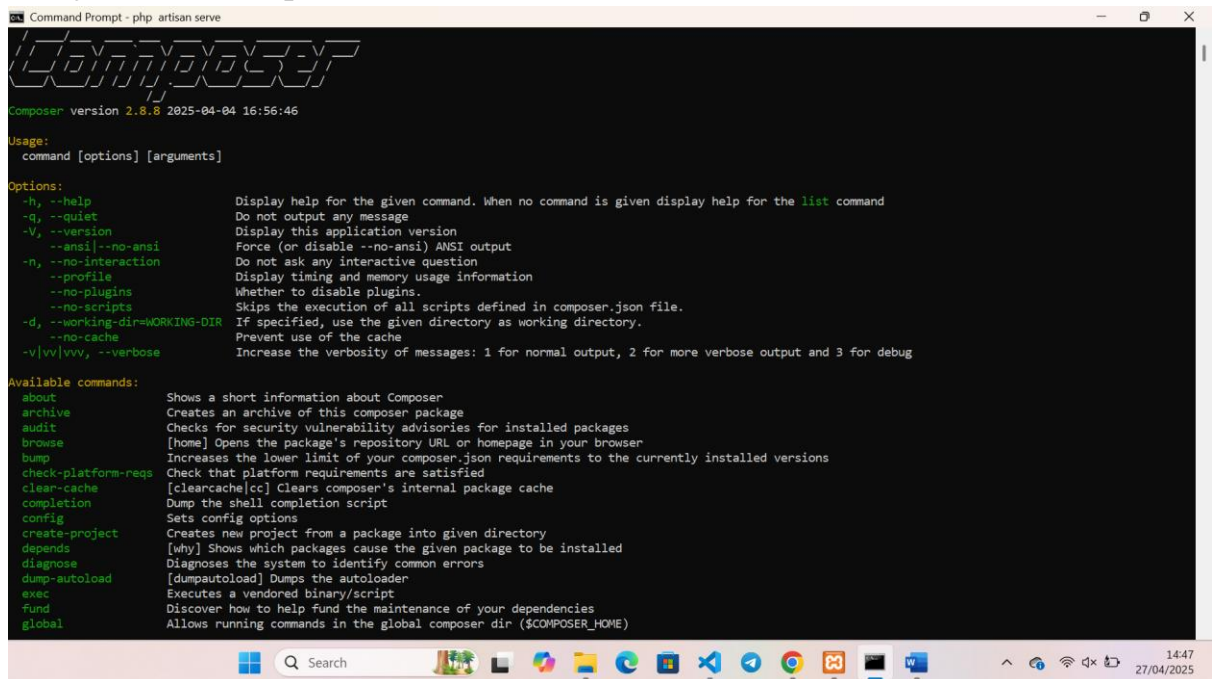


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Kelompok : A3

- Menjalankan Composer di CMD



```
Command Prompt - php artisan serve

Composer version 2.8.8 2025-04-04 16:56:46

Usage:
  command [options] [arguments]

Options:
  -h, --help                Display help for the given command. When no command is given display help for the list command
  -q, --quiet               Do not output any message
  -V, --version             Display this application version
  --ansi|--no-ansi          Force (or disable --no-ansi) ANSI output
  -n, --no-interaction      Do not ask any interactive question
  --profile                Display timing and memory usage information
  --no-plugins              Whether to disable plugins.
  --no-scripts             Skips the execution of all scripts defined in composer.json file.
  -d, --working-dir=WORKING-DIR If specified, use the given directory as working directory.
  --no-cache               Prevent use of the cache
  -v|vv|vvv, --verbose     Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug

Available commands:
  about                Shows a short information about Composer
  archive              Creates an archive of this composer package
  audit                Checks for security vulnerability advisories for installed packages
  browse              [home] Opens the package's repository URL or homepage in your browser
  bump                Increases the lower limit of your composer.json requirements to the currently installed versions
  check-platform-reqs Check that platform requirements are satisfied
  clear-cache          [clearcache|cc] Clears composer's internal package cache
  completion           Dump the shell completion script
  config              Sets config options
  create-project       Creates new project from a package into given directory
  depends             [why] Shows which packages cause the given package to be installed
  diagnose             Diagnoses the system to identify common errors
  dump-autoload        [dumpautoload] Dumps the autoloader
  exec                Executes a vendored binary/script
  fund                Discover how to help fund the maintenance of your dependencies
  global              Allows running commands in the global composer dir ($COMPOSER_HOME)
```

- Membuat project di CMD

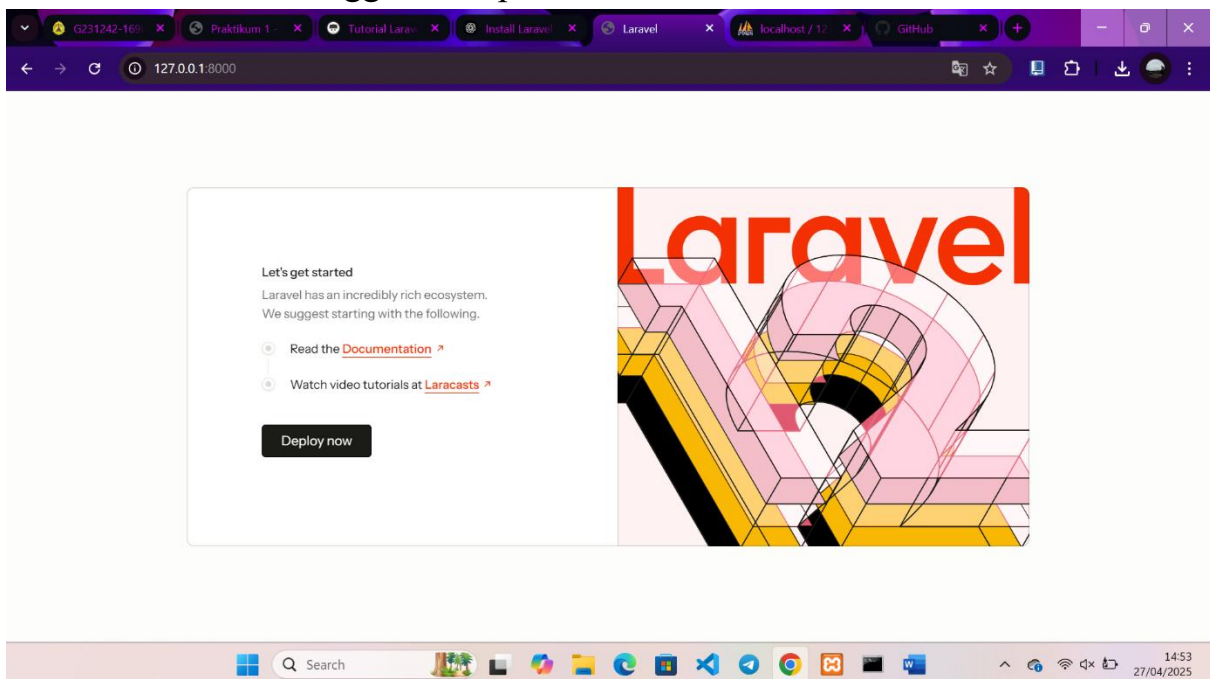
```
C:\xampp\htdocs>composer create-project --prefer-dist laravel/laravel:^12.0 laravel-12
```

Digunakan untuk membuat project Laravel baru seperti;

- o Mengunduh file Laravel dari internet
- o Menyiapkan struktur folder dan file dasar Laravel
- o Menginstal semua library yang dibutuhkan

```
Command Prompt - php artisan serve
Creating a "laravel/laravel:12.0" project at "C:/laravel-12"
Installing laravel/laravel (v12.0.0)
- Installing laravel/laravel (v12.0.0): Extracting archive
Created project in C:\xampp\htdocs\laravel-12
> @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)
- Locking league/commonmark (2.6.2)
- Locking league/config (v1.2.0)
- Locking league/flysystem (3.29.1)
- Locking league/flysystem-local (3.29.0)
- Locking league/mime-type-detection (1.16.0)
- Locking league/uri (7.5.1)
- Locking league/uri-interfaces (7.5.0)
- Locking mockery/mockery (1.6.12)
- Locking monolog/monolog (3.9.0)
```

- Jika perintah di atas berhasil dijalankan, maka project akan dijalankan didalam localhost menggunakan port 8000



- Konfigurasi file .env

```
BROADCAST_CONNECTION=log
FILESYSTEM_DISK=public
QUEUE_CONNECTION=database
```

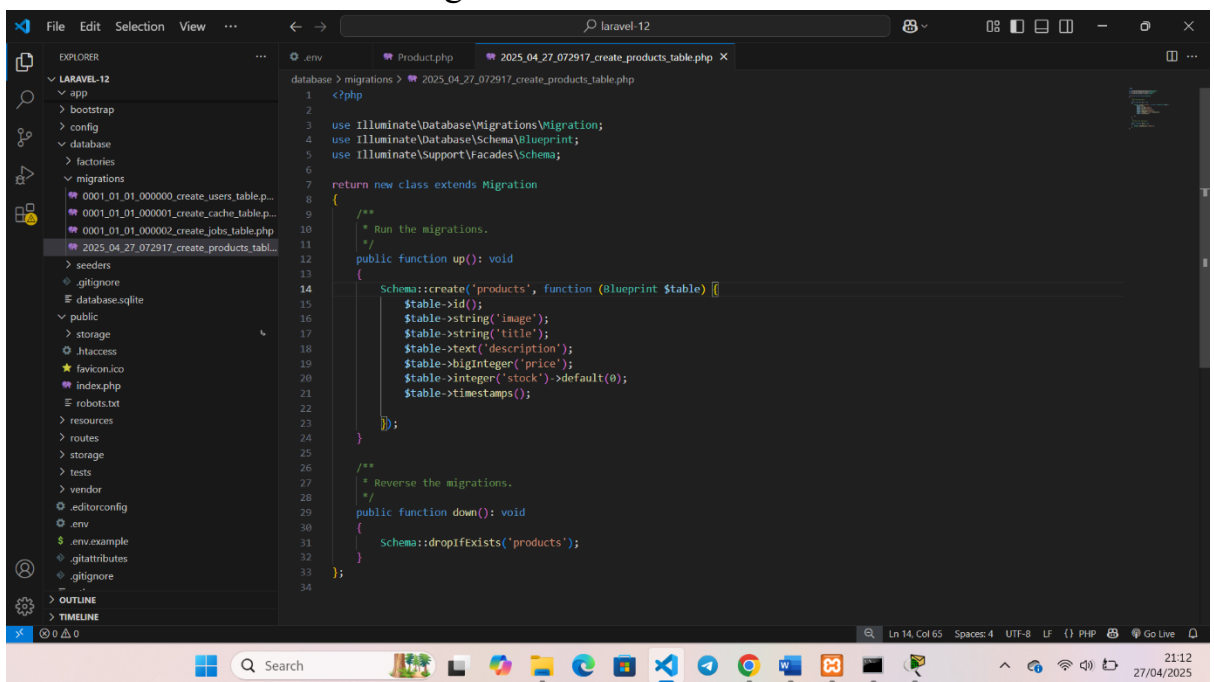
Mengubah *FILESYSTEM\_DISK=local* menjadi *public*

- Konfigurasi koneksi database

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

- DB\_CONNECTION=mysql → Jenis database yang dipakai (MySQL).
- DB\_HOST=127.0.0.1 → Alamat server database (localhost).
- DB\_PORT=3306 → Port MySQL default.
- DB\_DATABASE=db\_laravel\_12b → Nama database yang akan digunakan.
- DB\_USERNAME=root → Username database.
- DB\_PASSWORD= → Password database (kosong dalam contoh ini).

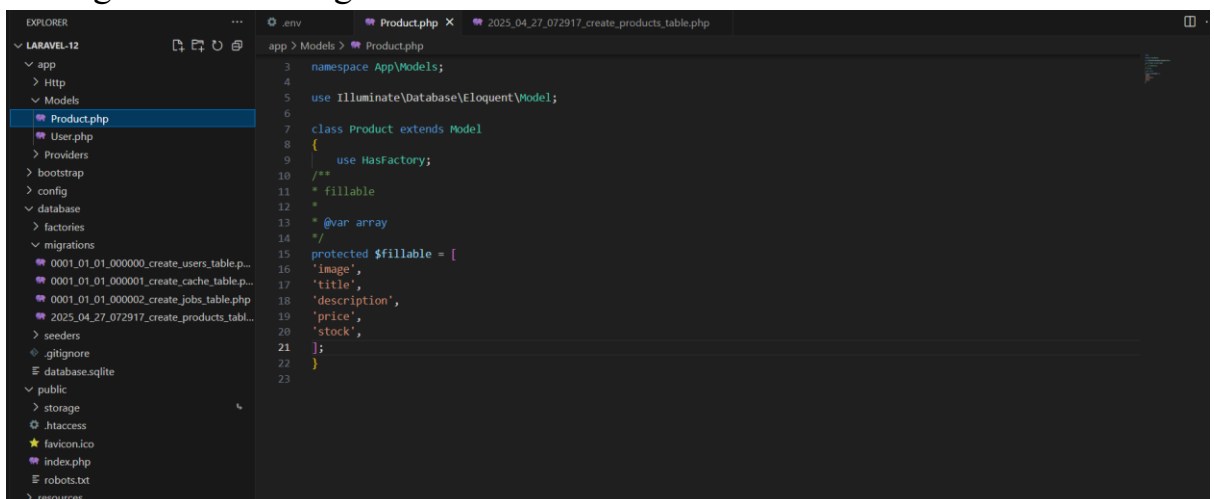
- Menambah field/kolom di migration



The screenshot shows the Visual Studio Code editor with a Laravel project open. The Explorer sidebar on the left shows the project structure, including the 'migrations' directory. The active file is '2025\_04\_27\_072917\_create\_products\_table.php'. The code in the editor defines a migration class that creates a 'products' table with columns: id, image, title, description, price, stock, and timestamps. The 'up()' method uses the 'Schema::create()' method, and the 'down()' method uses 'Schema::dropIfExists()'.

```
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         Schema::create('products', function (Blueprint $table) {
15             $table->id();
16             $table->string('image');
17             $table->string('title');
18             $table->text('description');
19             $table->bigInteger('price');
20             $table->integer('stock')->default(0);
21             $table->timestamps();
22         });
23     }
24
25     /**
26      * Reverse the migrations.
27      */
28     public function down(): void
29     {
30         Schema::dropIfExists('products');
31     }
32
33 }
```

- Konfigurasi mess assignment



The screenshot shows the Visual Studio Code editor with the same Laravel project. The Explorer sidebar shows the 'Models' directory. The active file is 'Product.php'. The code in the editor defines a 'Product' model class that extends 'Model'. It includes a 'fillable' array with the following attributes: 'image', 'title', 'description', 'price', and 'stock'.

```
1 namespace App\Models;
2
3 use Illuminate\Database\Eloquent\Model;
4
5 class Product extends Model
6 {
7     use HasFactory;
8
9     /**
10      * fillable
11      *
12      * @var array
13      */
14     protected $fillable = [
15         'image',
16         'title',
17         'description',
18         'price',
19         'stock',
20     ];
21
22 }
```

- Menjalankan Migration

```
PS C:\xampp\htdocs\myapps> php artisan migrate

WARN The database 'db_laravel_12' does not exist on the 'mysql' connection.

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

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

INFO Preparing database.

Creating migration table ..... 58.53ms DONE

INFO Running migrations.

0001_01_01_000000_create_users_table ..... 110.89ms DONE
0001_01_01_000001_create_cache_table ..... 25.32ms DONE
0001_01_01_000002_create_jobs_table ..... 139.32ms DONE
2025_04_27_042027_create_products_table ..... 13.03ms DONE
```

- Melihat table di localhost

