

**TUGAS**  
**MANAJEMEN BASIS DATA**



Disusun oleh :

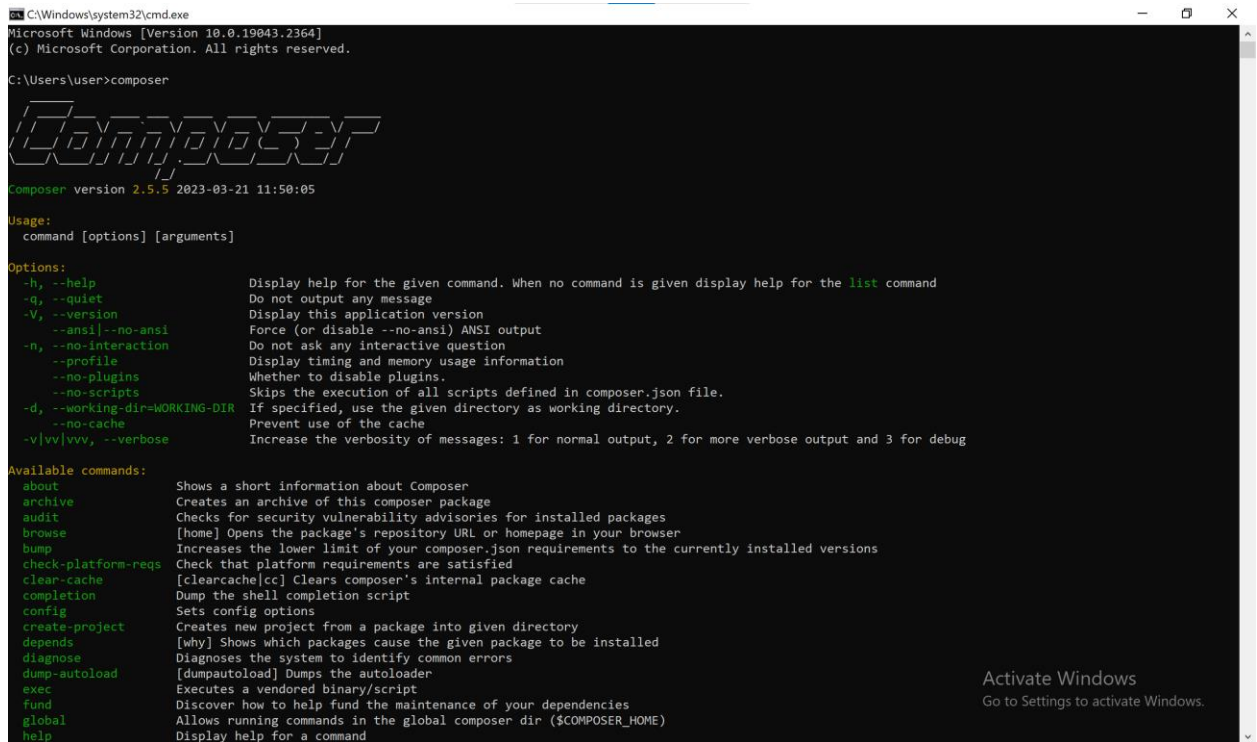
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**D4 MANAJEMEN INFORMATIKA**  
**PROGAM VOKASI**  
**UNIVERSITAS NEGERI SURABAYA**  
**2023**

## Implementasi CRUD menggunakan Laravel

Link referensi : <https://santrikoding.com/tutorial-set/crud-laravel-8-bootstrap>

- Membuat Project Laravel Baru
1. Apabila belum menginstall composer , maka harus menginstall composer melalui situs resminya di <https://getcomposer.org/>
  2. Lalu install composer
  3. Jika sudah selesai , buka CMD lalu jalankan perintah seperti dibawah ini untuk mengetahui computer sudah terinstall composer atau belum . Jika berhasil maka tampilan akan seperti dibawah ini



```
Microsoft Windows [Version 10.0.19043.2364]
(c) Microsoft Corporation. All rights reserved.

C:\Users\User>composer

Composer version 2.5.5 2023-03-21 11:50:05

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)
  help                 Display help for a command
```

#### 4. Buat project Laravel baru menggunakan composer dan jalankan perintah dibawah ini

```
C:\Windows\system32\cmd.exe
C:\Users\user>composer create-project --prefer-dist laravel/laravel tugasmdb_ananda
Creating a "laravel/laravel" project at "/tugasmdb_ananda"
Installing laravel/laravel (v10.2.0)
- Installing laravel/laravel (v10.2.0): Extracting archive
Created project in C:\Users\user\tugasmdb_ananda
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Info from https://repo.packagist.org: #StandWithUkraine
Updating dependencies
Lock file operations: 107 installs, 0 updates, 0 removals
- Locking brick/math (0.11.0)
- Locking dflydev/dot-access-data (v3.0.2)
- Locking doctrine/inflactor (2.0.6)
- Locking doctrine/lexer (3.0.0)
- Locking dragonmantank/cron-expression (v3.3.2)
- Locking egulias/email-validator (4.0.1)
- Locking fakerphp/faker (v1.21.0)
- Locking filp/whoops (2.15.2)
- Locking fruitcake/php-cors (v1.2.0)
- Locking graham-campbell/result-type (v1.1.1)
- Locking guzzlehttp/guzzle (7.5.1)
- Locking guzzlehttp/promises (1.5.2)
- Locking guzzlehttp/psr7 (2.5.0)
- Locking guzzlehttp/uri-template (v1.0.1)
- Locking hamcrest/hamcrest-php (v2.0.1)
- Locking laravel/framework (v10.10.0)
- Locking laravel/pint (v1.10.0)
- Locking laravel/sail (v1.22.0)
- Locking laravel/sanctum (v3.2.5)
- Locking laravel/serializable-closure (v1.3.0)
- Locking laravel/tinker (v2.8.1)
- Locking league/commonmark (2.4.0)
- Locking league/config (v1.2.0)
- Locking league/flysystem (3.15.1)
- Locking league/flysystem-local (3.15.0)
- Locking league/mime-type-detection (1.11.0)
- Locking mockery/mockery (1.5.1)
- Locking monolog/monolog (3.3.1)
- Locking myclabs/deep-copy (1.11.1)
- Locking nesbot/carbon (2.66.0)
- Locking nette/schema (v1.2.3)
- Locking nette/utils (v4.0.0)
- Locking nikic/php-parser (v4.15.4)
- Locking nunomaduro/collision (v7.5.2)
- Locking nunomaduro/termwind (v1.15.1)

71 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
- Installing spatie/backtrace (1.4.0): Extracting archive
- Installing spatie/ignition (1.7.0): Extracting archive
laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE

81 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.

C:\Users\user>
C:\Users\user>
C:\Users\user>
```

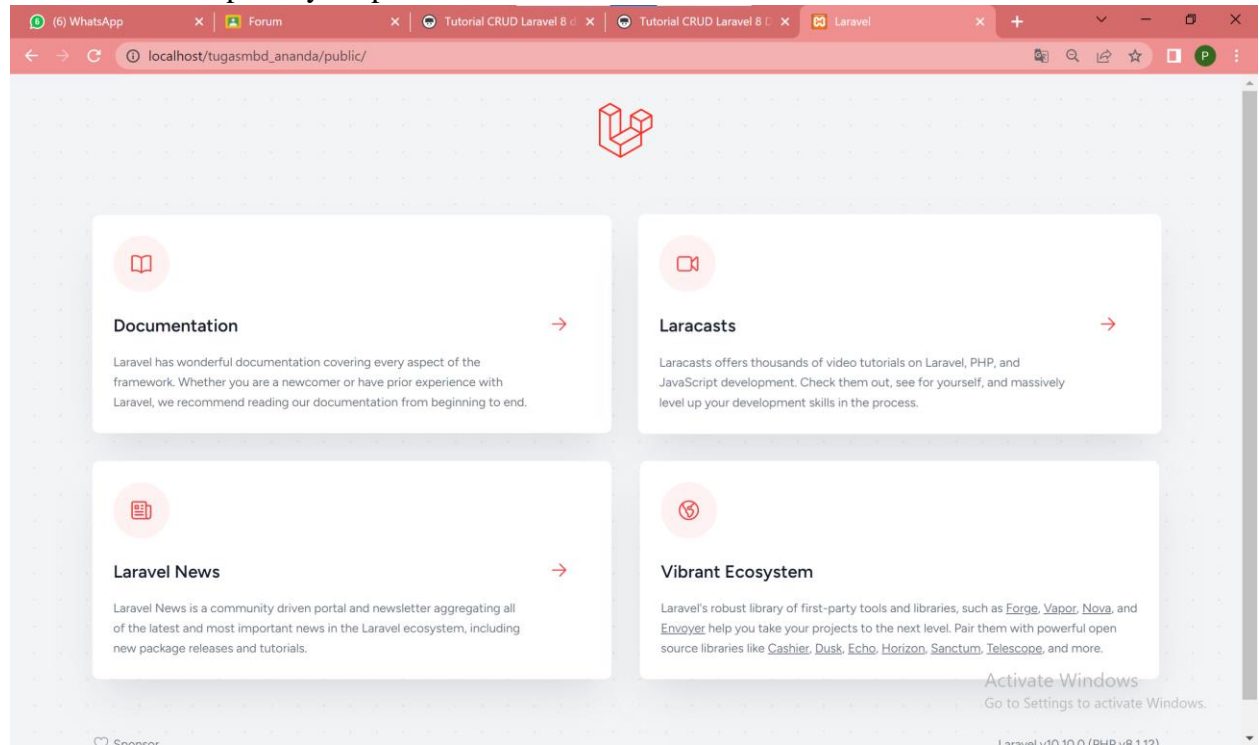
- Menjalankan Project Laravel

#### 1. Setelah proses instalasi selesai , coba menjalankan project Laravel dengan perintah dibawah ini

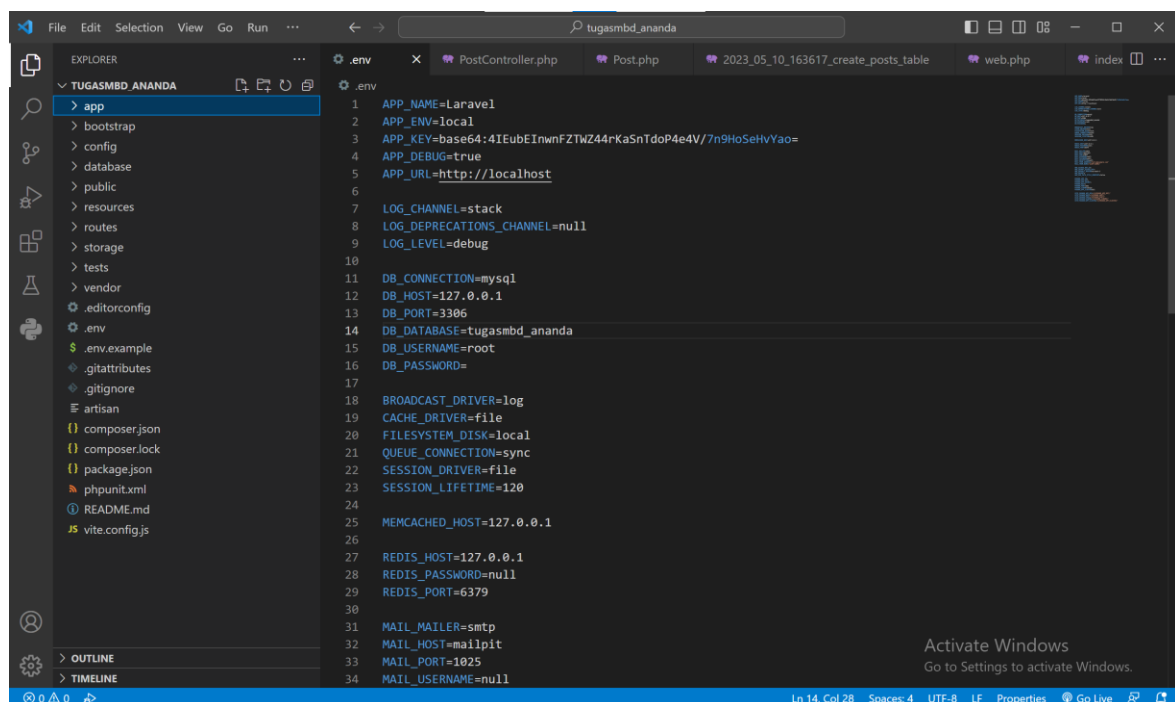
```
C:\Users\user>cd\xampp\htdocs
```

2. Perintah `cd` digunakan untuk masuk kedalam folder project Laravel
3. Jika berhasil maka project akan dijalankan didalam localhost , bisa membuka di [http://localhost/tugasmbd\\_ananda/](http://localhost/tugasmbd_ananda/)

Jika berhasil tampilannya seperti berikut ini



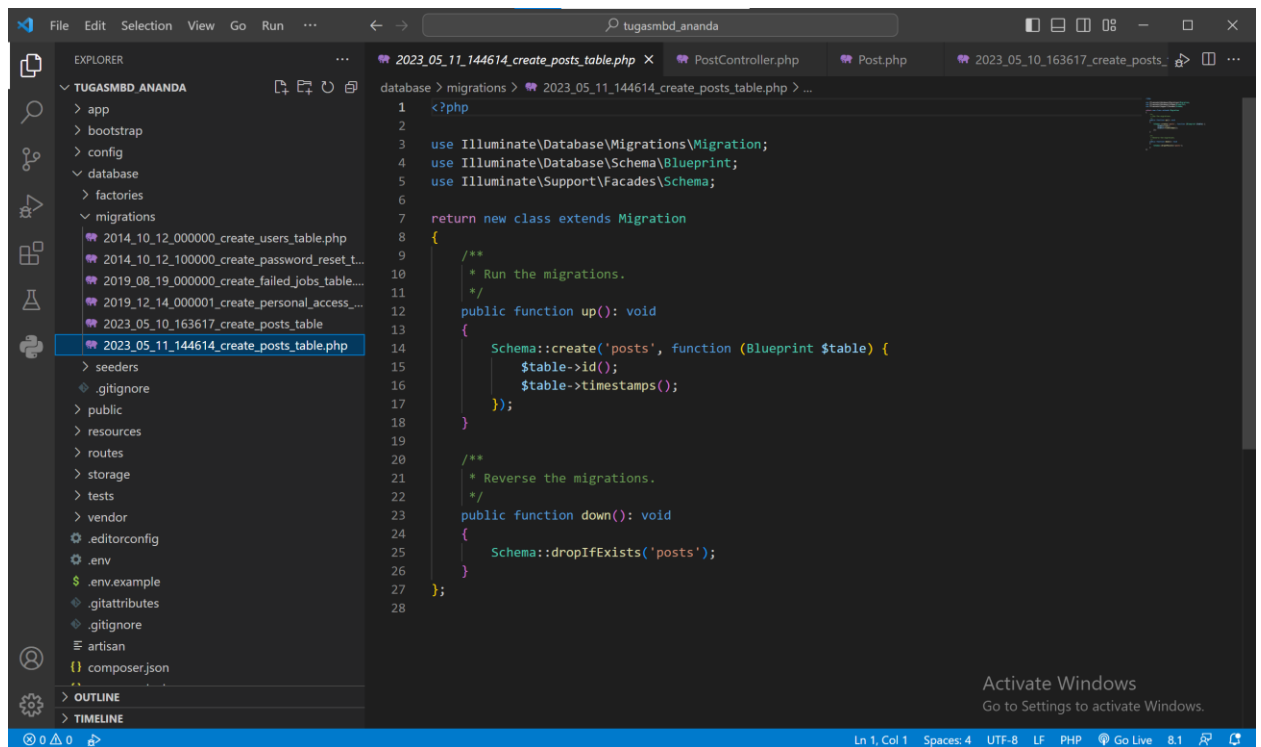
4. Memindahkan folder `C:/xampp/htdocs/tugasmbd_ananda` ke Visual Studio Code lalu konfigurasi koneksi database di `.env`



5. Create database di phpMyAdmin dengan nama tugasmbd\_ananda
6. Membuat model dan migration , jika berhasil maka file langsung ditambahkan pada vscode

```
C:\xampp\htdocs\tugasmbd_ananda>php artisan make:model Post -m

[INFO] Model [C:\xampp\htdocs\tugasmbd_ananda\app\Models\Post.php] created successfully.
[INFO] Migration [C:\xampp\htdocs\tugasmbd_ananda\database\migrations\2023_05_11_144614_create_posts_table.php] created successfully.
```



7. Menjalankan migration , dan otomatis file akan terisi di database phpMyAdmin

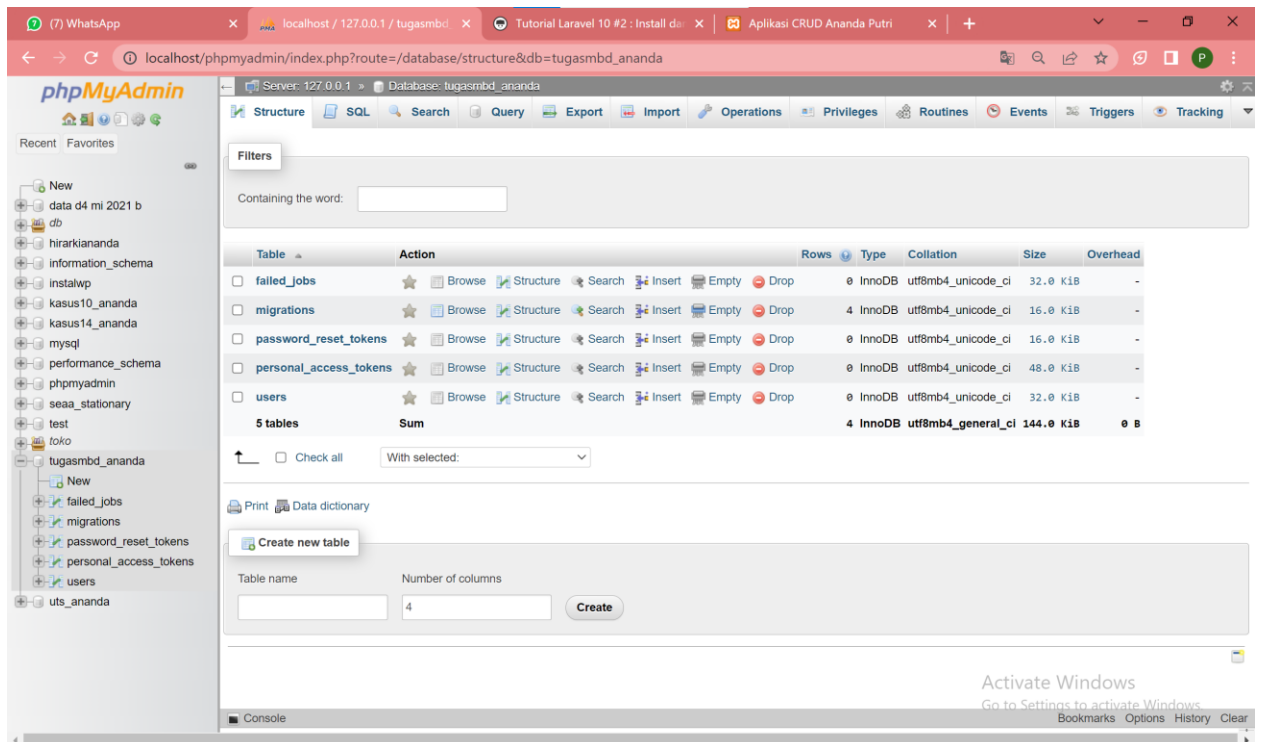
```
C:\xampp\htdocs\tugasmbd_ananda>php artisan migrate

[INFO] Preparing database.

Creating migration table ..... 76ms DONE

[INFO] Running migrations.

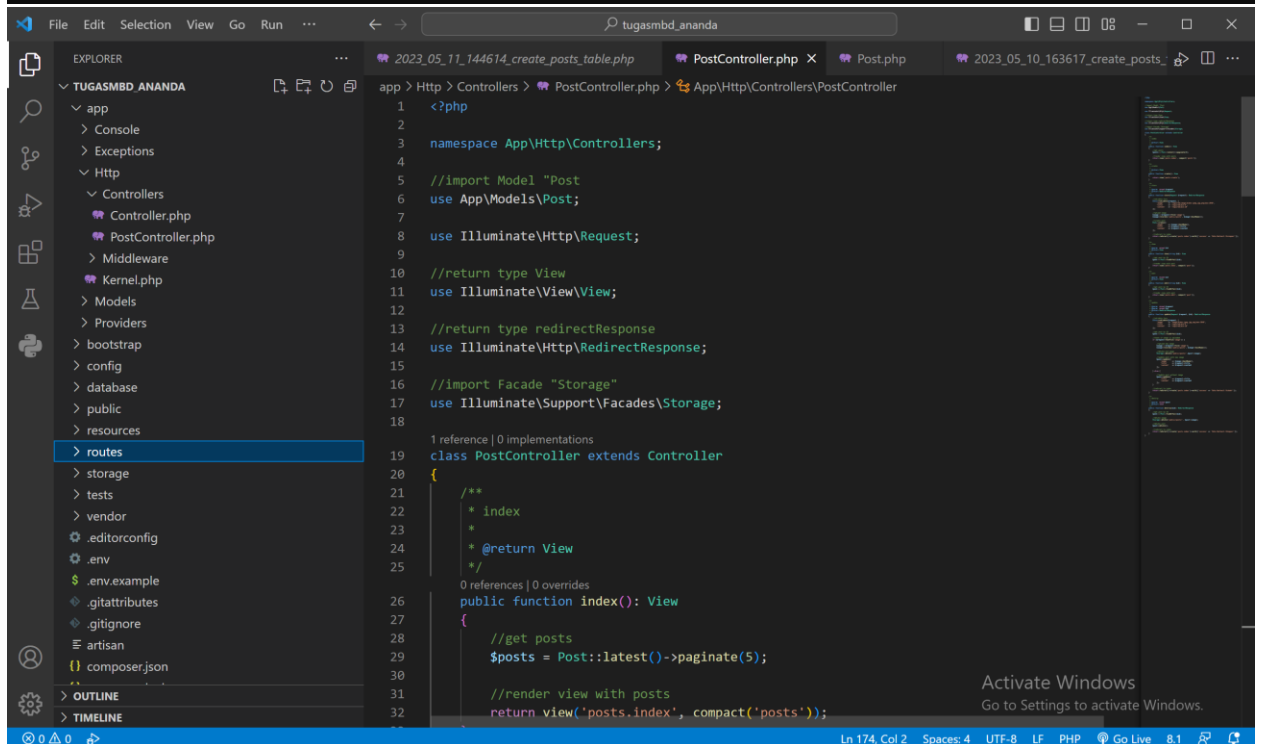
2014_10_12_000000_create_users_table ..... 66ms DONE
2014_10_12_100000_create_password_reset_tokens_table ..... 72ms DONE
2019_08_19_000000_create_failed_jobs_table ..... 46ms DONE
2019_12_14_000001_create_personal_access_tokens_table ..... 61ms DONE
```



## 8. Membuat Controller post

```
C:\xampp\htdocs\tugasmbd_ananda>php artisan make:controller PostController
```

```
INFO Controller [C:\xampp\htdocs\tugasmbd_ananda\app\Http\Controllers\PostController.php] created successfully.
```



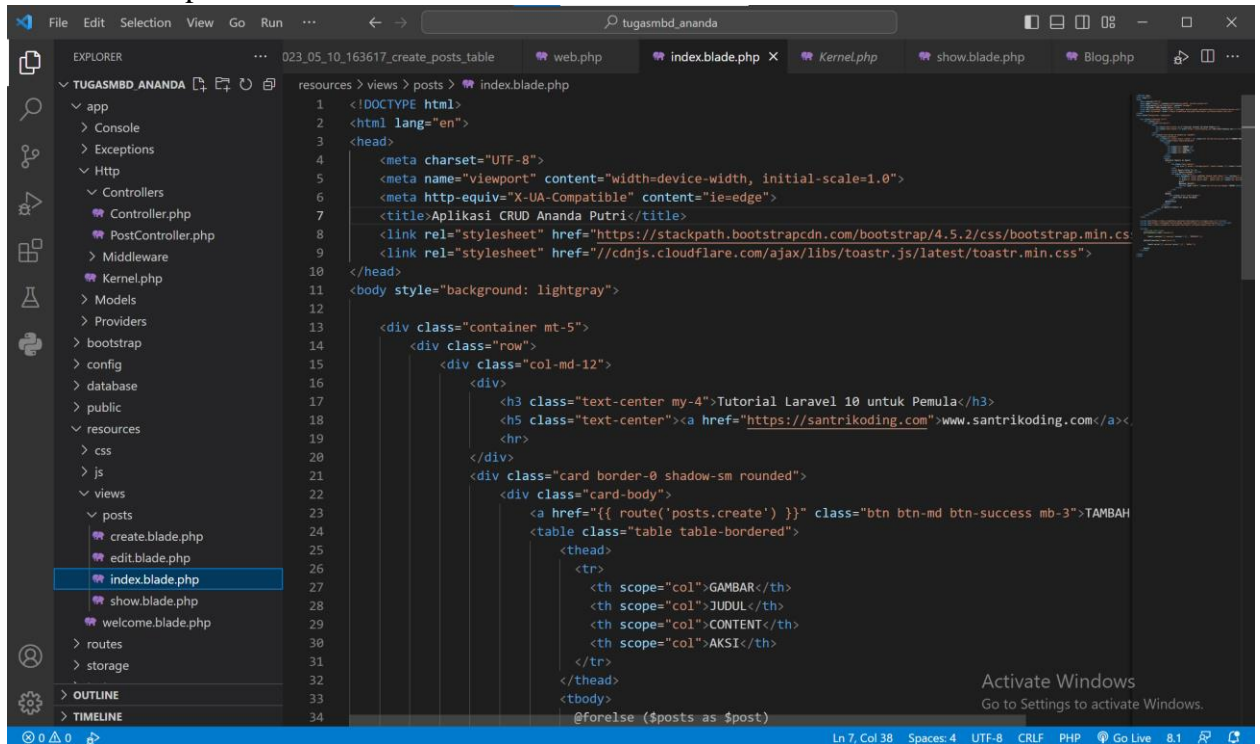
## 9. Menambahkan routes

```
C:\xampp\htdocs\tugasmdb_ananda>php artisan route:list

POST      _ignition/execute-solution ..... ignition.executeSolution > Spatie\LaravelIgnition > ExecuteSolutionController
GET|HEAD  _ignition/health-check ..... ignition.healthCheck > Spatie\LaravelIgnition > HealthCheckController
POST      _ignition/update-config ..... ignition.updateConfig > Spatie\LaravelIgnition > UpdateConfigController
GET|HEAD  api/user .....
POST      posts .....
GET|HEAD  posts .....
POST      posts/create ..... posts.create > PostController@store
GET|HEAD  posts/{post} ..... posts.show > PostController@show
PUT|PATCH posts/{post} ..... posts.update > PostController@update
DELETE    posts/{post} ..... posts.destroy > PostController@destroy
GET|HEAD  posts/{post}/edit ..... posts.edit > PostController@edit
GET|HEAD  sanctum/csrf-cookie ..... sanctum.csrf-cookie > Laravel\Sanctum > CsrfCookieController@show

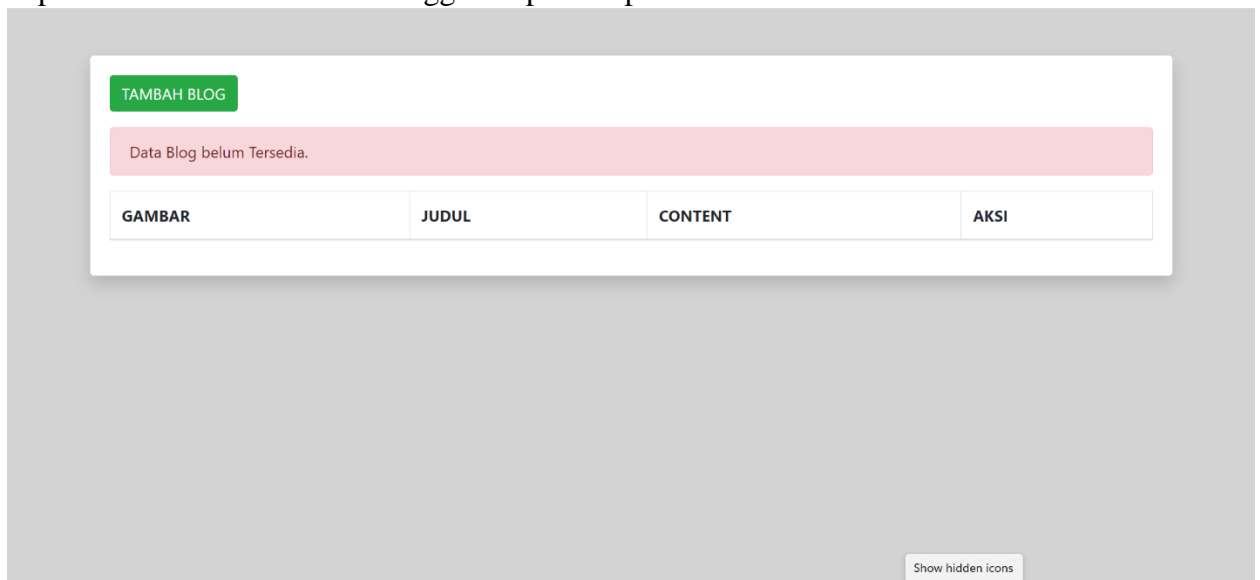
Showing [12] routes
```

## 10. Membuat tampilan awal index



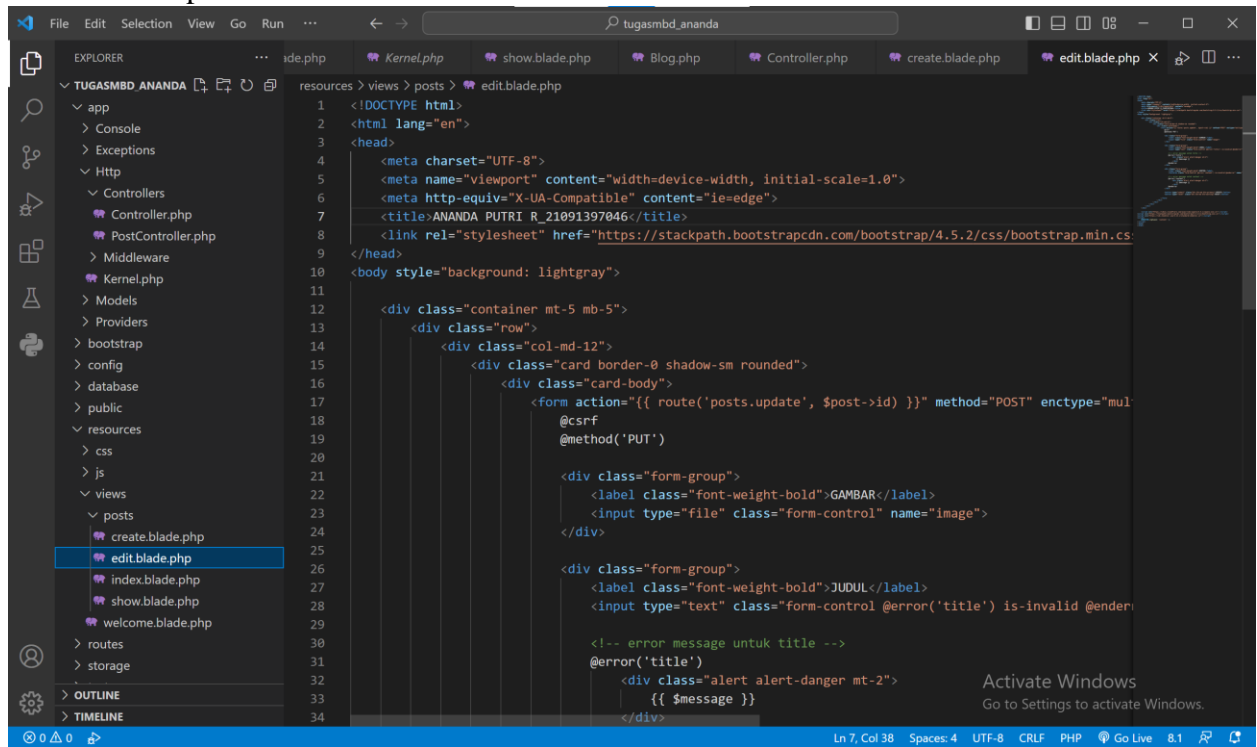
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <meta http-equiv="X-UA-Compatible" content="ie=edge">
7     <title>Aplikasi CRUD Ananda Putri</title>
8     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
9     <link rel="stylesheet" href="//cdn.jsdelivr.net/npm/sweetalert2@10">
10 </head>
11 <body style="background: lightgray">
12
13     <div class="container mt-5">
14         <div class="row">
15             <div class="col-md-12">
16                 <div>
17                     <h3 class="text-center my-4">Tutorial Laravel 10 untuk Pemula</h3>
18                     <h5 class="text-center"><a href="https://santrikoding.com">www.santrikoding.com</a></h5>
19                     <hr>
20                 </div>
21                 <div class="card border-0 shadow-sm rounded">
22                     <div class="card-body">
23                         <a href="{{ route('posts.create') }}" class="btn btn-md btn-success mb-3">TAMBAH
24                         <table class="table table-bordered">
25                             <thead>
26                                 <tr>
27                                     <th scope="col">GAMBAR</th>
28                                     <th scope="col">JUDUL</th>
29                                     <th scope="col">CONTENT</th>
30                                     <th scope="col">AKSI</th>
31                                 </tr>
32                             </thead>
33                             <tbody>
34                                 @forelse ($posts as $post)
```

Apabila di run dilocalhost sehingga tampilan seperti dibawah ini





## 11. Membuat tampilan edit

[illegible]



## 12. Tampilan delete

