**Laravel 9 : #1 Intro**

Laravel is a web application framework with expressive elegant syntax

Web Application Framework :

* Sebuah ‘kerangka’ yang didesain untuk mendukung pembangunan aplikasi web
* Menyediakan standar / cara untuk membangun aplikasi web
* Bertujuan untuk mengotomasi hal-hal umum yang biasanya dilakukan saat membangun aplikasi web
* Contohnya database library, templating engine, session management, authentication security, dll

**Fitur utama pada laravel :**

* MVC
* Templating Engine
* Artisan Console
* Eloquent ORM
* Authentication & Authorization
* Testing
* Packaging System
* Multiple File System
* Task Scheduling
* Websocket Programming

**Ekosistem Laravel :**

* Serverless Platform -> Vapor
* Server Management -> Forge
* Local Docker Env. -> Sail
* Micro Framework -> Lumen
* Dll

Website dibuat dengan Laravel :

Awwwards.com/websites/laravel

Designnya keren2, inspirasi dan inspirative

**Pre-requisite :**

* PHP Dasar
* Object Oriented PHP
* Konsep MVC

**Requirement :**

* PHP 8 or above via XAMPP
* MySQL via XAMPP
* Composer 2
* SequelPro / MySQL Workbench
* GitBash
* Visual Studio Code, extensions :
  + PHP Intelephense
  + Laravel Artisan
  + Laravel Snippets
  + Laravel Blade Snippets
  + Laravel Blade Spacer
  + Laravel Goto View

**Laravel 9 : #2 Instalasi & Konfigurasi**

**Syarat harus sudah ada :**

* PHP 8
* Composer

Cek apakah sudah terinstall :

**Php -v** Kalau belum terinstall, install paling gampang pakai **XAMPP**, min php versi 8

**Composer -V (huruf besar)** Kalau belum terinstall, instal dari **get-composer.org**

Kalau pakai laravel folder projectnya tidak harus di htdocs seperti php native

Create folder di D:\Applications

Dari folder application klik kanan pilih open git bash here

**Cara #1 Install laravel via composer :**

Untuk create project ketik :

**Composer create-project laravel/laravel coba-laravel**

Ls untuk menampilkan isi folder

**Cd coba-laravel**

Kemudian bisa menjalankan lokal development server laravel dengan :

**Php artisan serve**

Di browser buka **127.0.0.1:8000**

**Cara #2 Install laravell via global :**

**Composer global require laravel/installer**

* Buka klik kanan start menu,
* System,
* about,
* advanced system setting,
* environment variables,
* system variables,
* cari path,
* edit,
* new,
* %USERPROFILE%\AppData\Roaming\Composer\vendor\bin
* Lalu ok, ok dan ok lagi

Close git bash

lalu buka lagi git bash,

cd d:\applications

**Laravel new coba2-laravel**

Jauh lebih cepat dibanding lewat composer

Masuk ke cd d:applications\coba2-laravel

Lalu ketik **php artisan serve**

Lalu di browser buka **127.0.0.1:8000**

**Valet**,

utk mengakses alamat web kita dengan nama foldernya diakhiri dengan **.test**

**Packagist.org** cari **valet-windows**

Install vallet via composer :

**Composer global require cretueusebiu/valet-windows**

**Valet install** klik yes, yes dan yes

**Ipv4 dns dirubah jadi 127.0.0.1** **dan ipv6 dns dirubah jadi ::1**

Xampp portnya dirubah appache conf port 80 listen 80 jadi listen 8080

Server local host 80 jadi 8080

Di d:/applications jalankan valet park

Test coba-laravel.test udah bisa jalan **tanpa xampp appache dan juga tanpa php artisan serve**

**Laravel 9 : #3 Struktur Folder, Routes & View**

**Folder dan File Penting :**

**MVC**

**Model**  : ada di folder app/models

**Views** : ada di folder resources/views

**Controller** : ada di folder app/Controllers

**Routes/web.php**

**Public** adalah folder aset

**.env** untuk menentukan enviroment dari aplikasi laravel seperti koneksi ke database MySQL, Database, User Name, Password dan lain sebagainya

<?php

/\*

|--------------------------------------------------------------------------

| Web Routes

|--------------------------------------------------------------------------

|

| Here is where you can register web routes for your application. These

| routes are loaded by the RouteServiceProvider within a group which

| contains the "web" middleware group. Now create something great!

|

\*/

Route::get('/', function () {

    return view('welcome');

});

<?php

/\*

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\*/

Route::get('/', function () {

    return view('welcome');

});

Route::get('/home', function () {

    return view('home');

});

Route::get('/about', function () {

    return view('about');

});

Route::get('/blog', function () {

    return view('posts');

});

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <title>Coba Laravel 9 | About</title>

</head>

<body>

    <h1>Halaman About</h1>

</body>

</html>

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<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <title>Coba Laravel 9 | Home</title>

</head>

<body>

    <h1>Halaman Home</h1>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <title>Coba Laravel 9 | Posts</title>

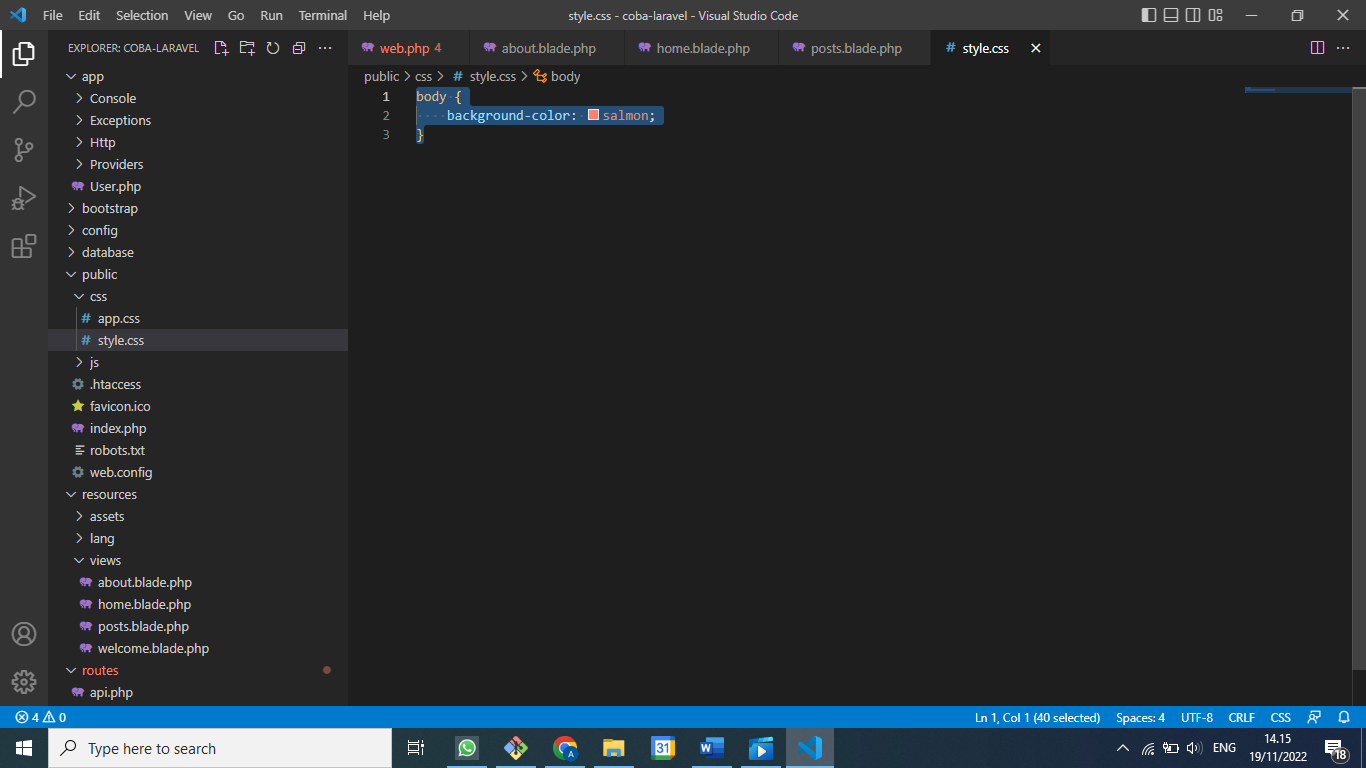
</head>

<body>

    <h1>Halaman Posts</h1>

</body>

</html>



body {

    background-color: salmon;

}