**Laravel Instalation and basic setup \*8.\***

Install composer to install the laravel project

**Download link**: - [Composer.exe](https://getcomposer.org/Composer-Setup.exe)

Download and install the composer to run a laravel project

Create a new project

**Command** :- composer create-project laravel/laravel project-name

Ex: - composer create-project laravel/laravel dryFruits

To install UI

UI is required for installing authentication

**Command**: - composer require laravel/ui

Install authentication

**Command**: - php artisan ui:auth

Authentication will create login and register functionality and pages.

Creating a blade

To create a blade file (Template file) open resources and find views inside that folder create a new file with following syntax.

name.balde.php

Blade file should have extension like (name.balde.php)

Creating a new model

**Command**: - php artisan make:model name

Enter your model name in place of name in above command

Create a model with migration

**Command**: - php artisan make:model Name -m

Ex: -php artisan make:model Users -m

Model name should start with capital letter.

Create a Controller

**Command**: - php artisan make:controller Name

Ex: -php artisan make:controler Users

Create a new migration

**Command**: - php artisan make:migration name

Replace name with your migration name

**Basic Route**

In route folder we have 4 files mainly we use web.php to make routes.

Routing is nothing but saying that when a link clicked based on that link which view( blade ) file have to be open or which controller function have to run.

Inside this web.php we declare the routings.

In laravel 8 route folder is placed in the main folder as in laravel 5,6 route file is place in inside the public folder.

In routing there are four types

They are: -

1)get method

Ex: -

Route::get('/form', function () {

    return view('form');

});

2) post method

Ex: -

Route::post('insertion', [App\Http\Controllers\FormController::class, 'insert'])->name('admin');

3) Put method

Route::put('foo/bar', function () {

});

4) delete method

Route::delete('foo/bar', function () {

});

When declaring routes we should check again and confirm it other wise error will rise.

Models

Models are used to create connection between table and controller .By using models we can declare that which column we are going to use .to perform a operation in table we use models like inserting deleting updating from controllers.

Controllers

Controllers are used to perform a task or running a function .In controllers we create a set of function to run .