**Crud Implementation:**

**Understanding details for CRUD implementation:**

I will going to **maintain the student’s mark details** in the crud operations.

1. **Run your application.**

Run your application in command prompt using artisan command**(php artisan serve)**

This will give the port of you project like[**http://127.0.0.1:8000**](http://127.0.0.1:8000)**.**

And also you can run your **project** in another way: **https:/localhost:8000/**.

1. **Database configuration**

Now, we can start

First, you can configure the database in your applications

Create a database in mysql server.

And go to application **.env file**. Open and edit the database name in your file.

1. **Migrations**

Create Migrations for the student details

It is used to create a table for applications.

We can use the command: **php artisan make: migration student\_table –create=Student**

It should create a file for **student table** in **database/migrations** directory.

In this file, we can add such fields like name, mark 1, mark2, mark3

And finally, give the command **php artisan migrate.**

1. **Models**

After migrations, will create model for the crud

**php artisan make: model Crud**

It should be create a model file in **app/crud.php.**

We can add a file inside the class, define the table name and fields.

1. **Controllers**

Now we can create controller for the application. Resource controller is useful for crud.

**Php artisan make: controller studentcontroller –r**

It should create **studentcontroller.php** file in **app/Http/Controller/** directory.

The class file defines the several methods are:

**index(), create(), edit(), store(), update(), destroy(), show()**

1. **Add resource route in routes/web.php**

We should declare route for student mark details maintenance,

**Route::resource(‘student’, ‘studentcontroller’);**

1. **Blade files**

Finally, creates a blade files for applications in **resources/views/ directory**

**Create.blade.php-** It should be create form to insert a record

The create file should define in **studentcontroller.php** file in **app/Http/controller**

Using **create method**, it should return the views.

And **store method**, It should be store the records given form in database.

**Index.blade.php-** It should use to retrieve and show the data in browsers

It should define in **index method,**

The index method call the model file should retrieve all data using all().

**Edit.blade.php-** It should be create form to edit the records

The **edit method** should return the views, **the data should be submitted in update method**.

The **destroy method** used to delete a record using delete method.

1. Atlast , run the browser using **php artisan serve** command.