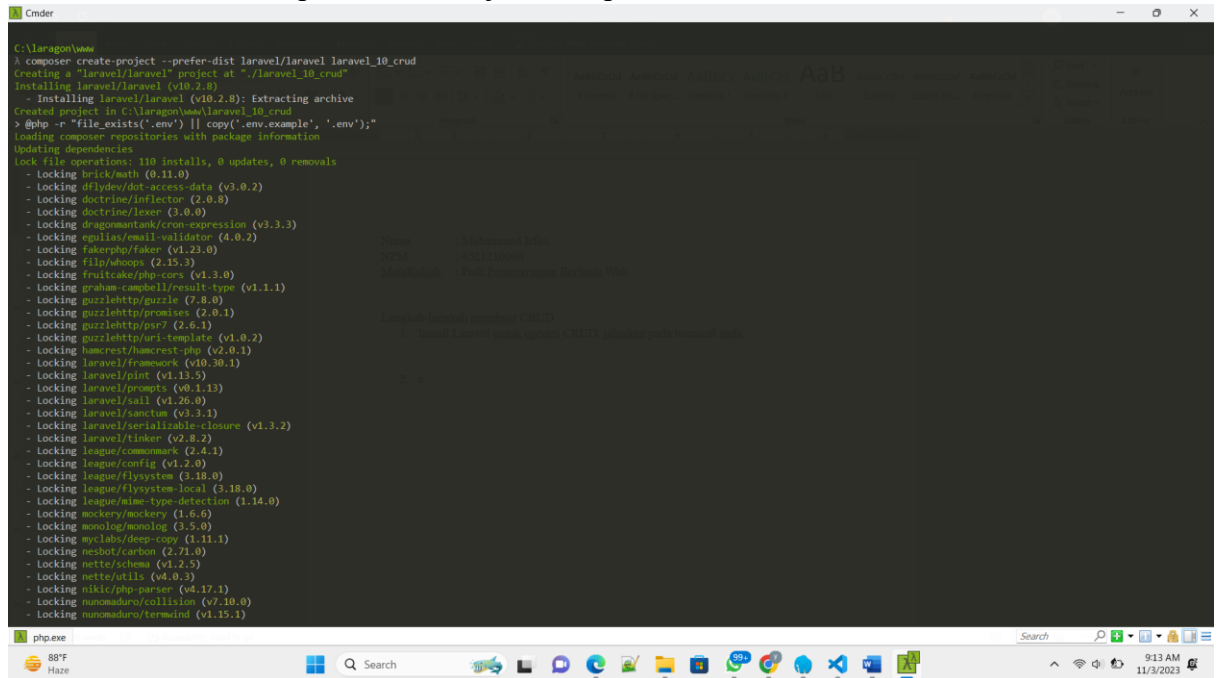


Nama : Muhammad Irfan
NPM : 4521210086
MataKuliah : Prak Pemrograman Berbasis Web

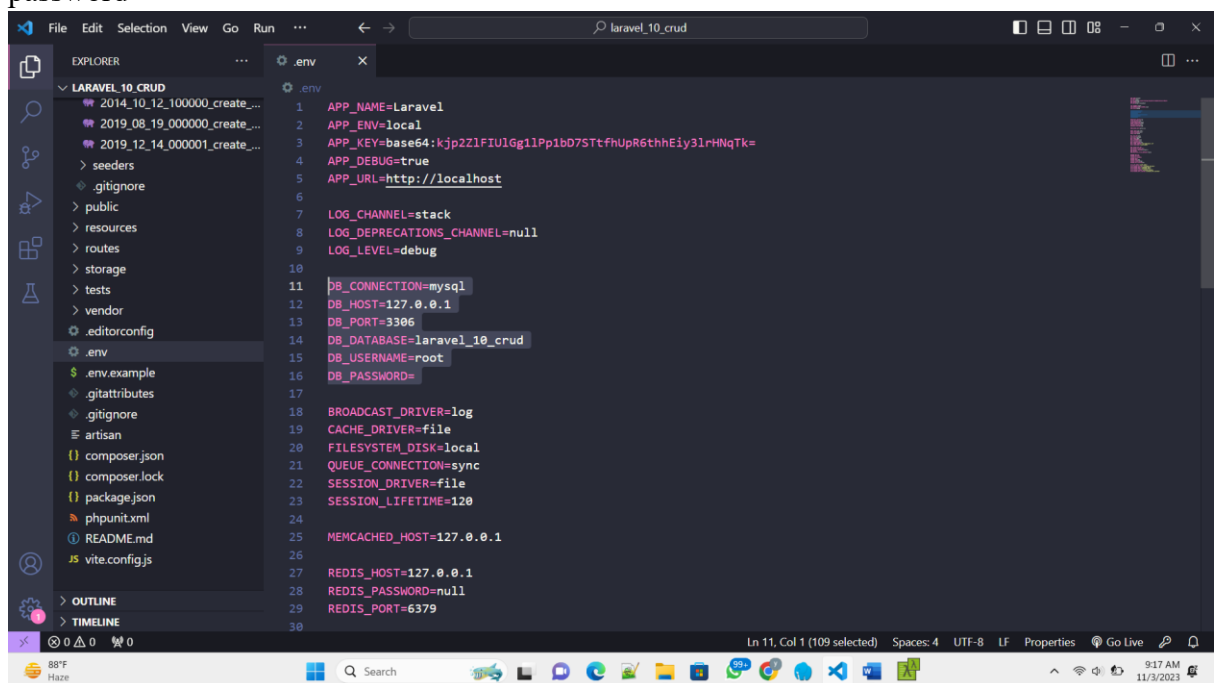
Langkah-langkah membuat CRUD

1. Install Laravel untuk operasi CRUD, jalankan pada terminal anda



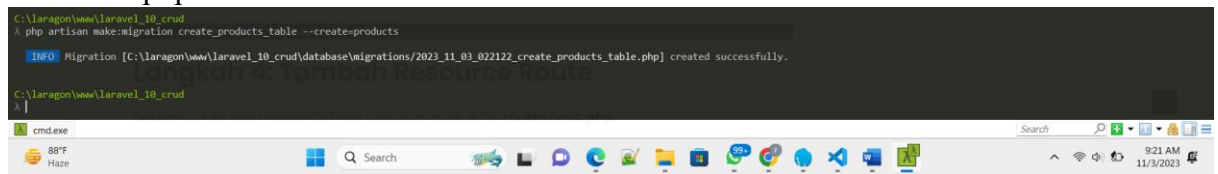
```
C:\laragon\www
> composer create-project --prefer-dist laravel/laravel laravel_10_crud
Creating a "laravel/laravel" project at "./laravel_10_crud"
Installing laravel/laravel (v10.2.8)
- Installing laravel/laravel (v10.2.8): Extracting archive
Created project in C:\laragon\www\laravel_10_crud
> @php -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 (0.11.0)
- Locking dflydev/dot-access-data (v3.0.2)
- Locking doctrine/inflector (2.0.8)
- Locking doctrine/lexer (3.0.0)
- Locking egulias/email-validator (v3.3.3)
- Locking fakerphp/faker (v1.23.0)
- Locking filp/whoops (2.15.3)
- Locking fruitcake/php-cors (v1.3.0)
- Locking grasmann/campbell/result-type (v1.1.1)
- Locking guzzlehttp/guzzle (7.8.0)
- Locking guzzlehttp/promises (2.0.1)
- Locking guzzlehttp/psr7 (2.6.1)
- Locking guzzlehttp/uri-template (v1.0.2)
- Locking hamcrest/hamcrest-php (v2.0.1)
- Locking laravel/framework (v10.30.1)
- Locking laravel/pint (v1.13.5)
- Locking laravel/prompts (v0.1.13)
- Locking laravel/sail (v1.26.0)
- Locking laravel/sanctum (v3.3.1)
- Locking laravel/serializable-closure (v1.3.2)
- Locking laravel/tinker (v2.8.2)
- Locking league/commonmark (2.4.1)
- Locking league/config (v1.2.0)
- Locking league/flysystem (3.18.0)
- Locking league/flysystem-local (3.18.0)
- Locking league/mime-type-detection (1.14.0)
- Locking mockery/mockery (1.6.6)
- Locking monolog/monolog (3.5.0)
- Locking myclabs/deep-copy (1.11.1)
- Locking nesbot/carbon (2.71.0)
- Locking nette/schema (v1.2.5)
- Locking nette/utils (v4.0.3)
- Locking nikic/php-parser (v4.17.1)
- Locking nunomaduro/collision (v7.10.0)
- Locking nunomaduro/termwind (v1.15.1)
```

2. Kemudian kita akan mengkonfigurasi database seperti nama database, username, password



```
.env
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:kjp2ZlFIUlgg1Pp1b07STtFhUpR6thhEiy3lrHNqTk=
4 APP_DEBUG=true
5 APP_URL=http://localhost
6
7 LOG_CHANNEL=stack
8 LOG_DEPRECATIONS_CHANNEL=null
9 LOG_LEVEL=debug
10
11 DB_CONNECTION=mysql
12 DB_HOST=127.0.0.1
13 DB_PORT=3306
14 DB_DATABASE=laravel_10_crud
15 DB_USERNAME=root
16 DB_PASSWORD=
17
18 BROADCAST_DRIVER=log
19 CACHE_DRIVER=file
20 FILESYSTEM_DISK=local
21 QUEUE_CONNECTION=sync
22 SESSION_DRIVER=file
23 SESSION_LIFETIME=120
24
25 MEMCACHED_HOST=127.0.0.1
26
27 REDIS_HOST=127.0.0.1
28 REDIS_PASSWORD=null
29 REDIS_PORT=6379
30
```

3. Kemudian kita akan membuat migrasi untuk tabel product, menggunakan perintah laravel 10 php artisan.

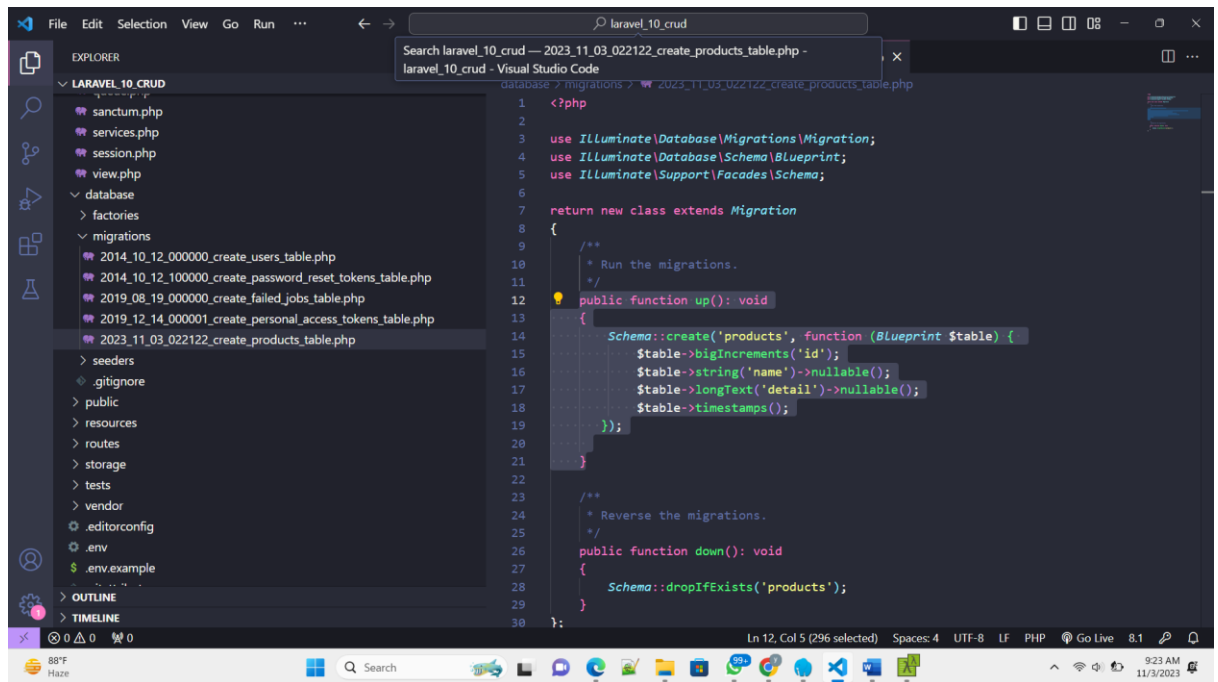


```
C:\laragon\www\laravel_10_crud
php artisan make:migration create_products_table --create-products

[INFO] Migration [C:\laragon\www\laravel_10_crud\database\Migrations\2023_11_03_022122_create_products_table.php] created successfully.

C:\laragon\www\laravel_10_crud
```

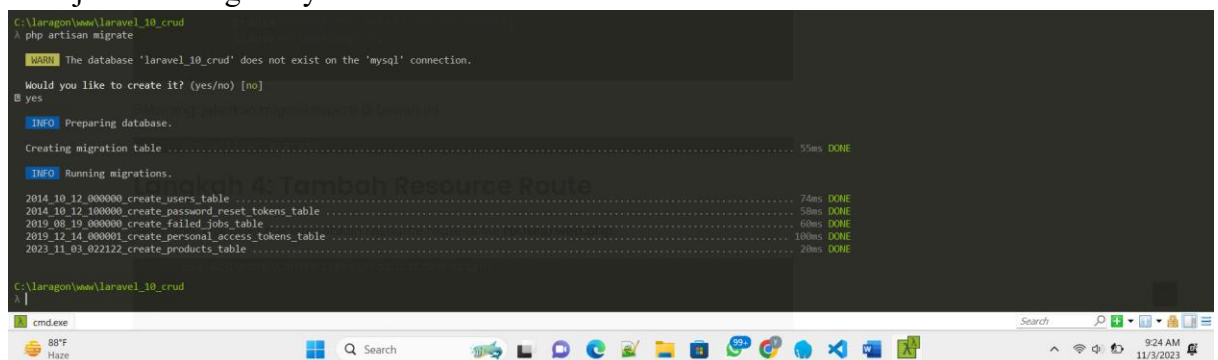
Selanjutnya, anda membuka file migration yang sudah dibuat tadi dan ditambahkan kode berikut :



```
Search laravel_10_crud -- 2023_11_03_022122_create_products_table.php -
laravel_10_crud - Visual Studio Code

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->bigIncrements('id');
16             $table->string('name')->nullable();
17             $table->longText('detail')->nullable();
18             $table->timestamps();
19         });
20     }
21
22     /**
23      * Reverse the migrations.
24      */
25     public function down(): void
26     {
27         Schema::dropIfExists('products');
28     }
29 };
```

Lalu jalankan migrasinya



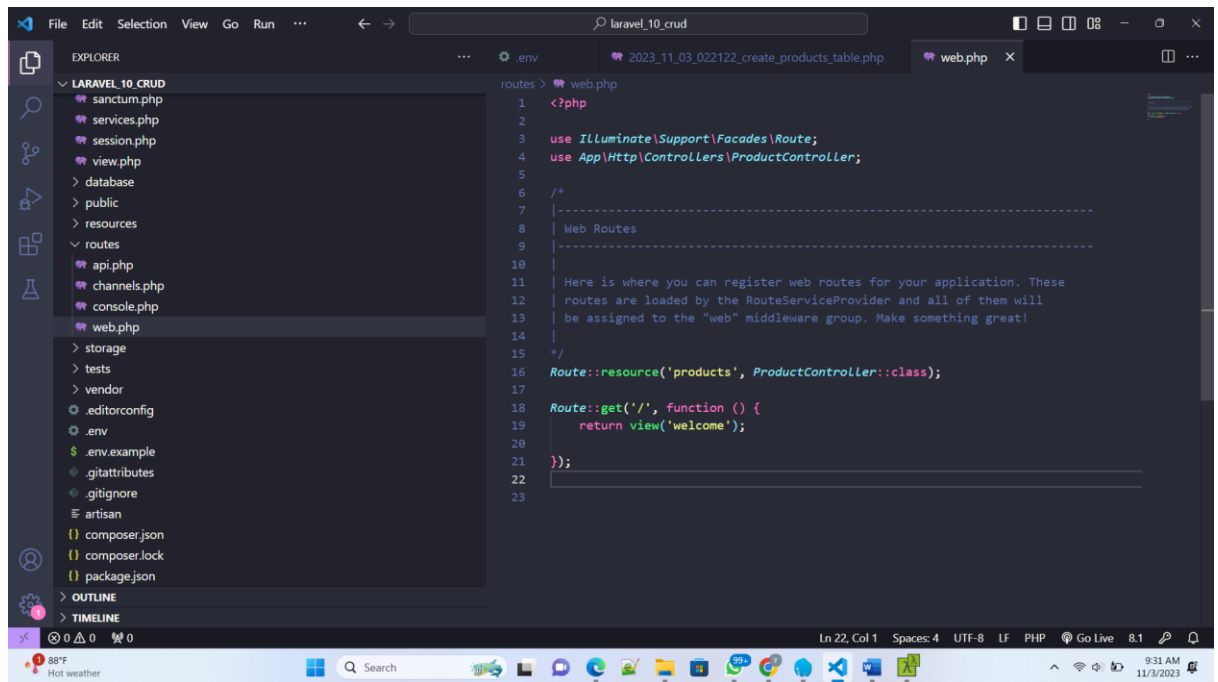
```
C:\laragon\www\laravel_10_crud
php artisan migrate

[WARN] The database 'laravel_10_crud' does not exist on the 'mysql' connection.
Would you like to create it? (yes/no) [no]
yes

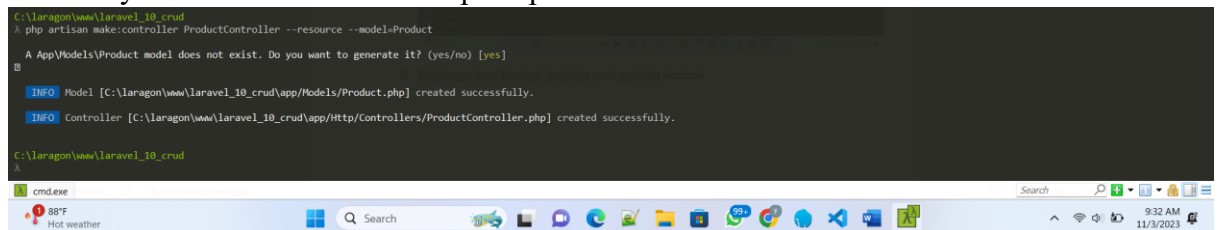
[INFO] Preparing database.
Creating migration table ..... 55ms DONE
[INFO] Running migrations.
2014_10_12_000000_create_users_table ..... 74ms DONE
2014_10_12_100000_create_password_reset_tokens_table ..... 58ms DONE
2019_08_19_000000_create_failed_jobs_table ..... 60ms DONE
2019_12_14_000001_create_personal_access_tokens_table ..... 100ms DONE
2023_11_03_022122_create_products_table ..... 20ms DONE

C:\laragon\www\laravel_10_crud
```

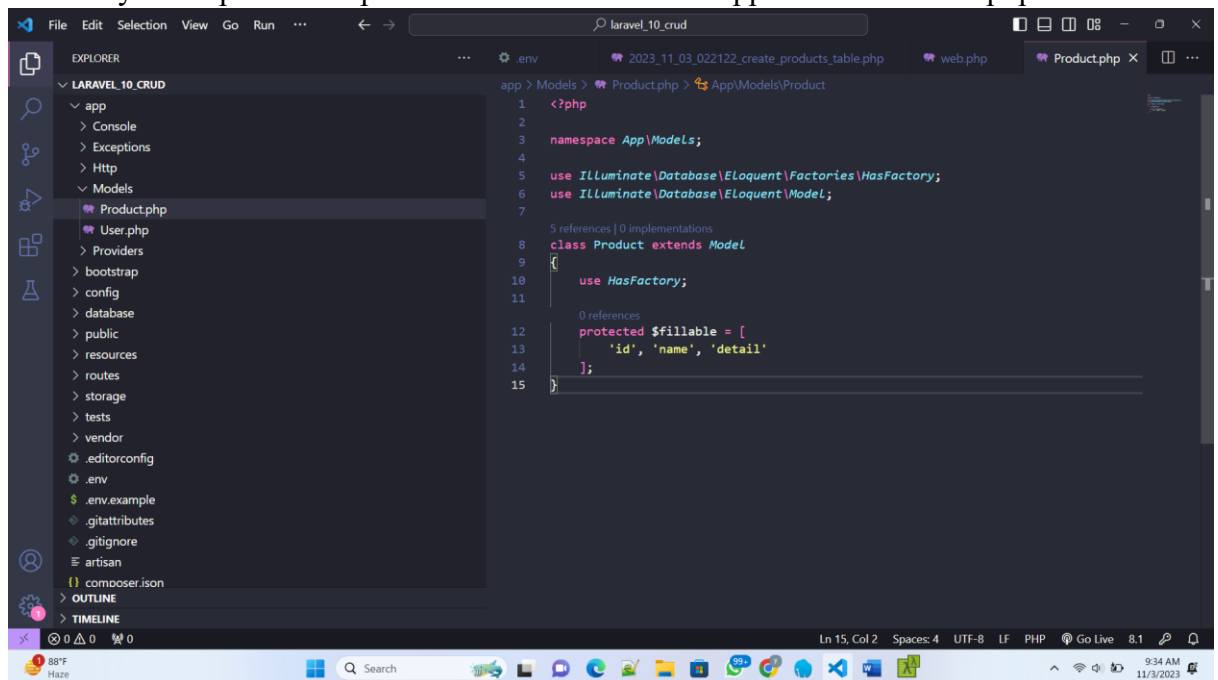
4. Kemudian kita akan menambahkan resource routenya di file routes/web.php.



5. Berikutnya buat ProductController pada perintah terminal



Setelahnya buat perubahan pada Model Product di file App/Models/Product.php.



Lalu kita melakukan perubahan pada modelnya
app/Http/Controllers/ProductController.php

```
<?php
namespace App\Http\Controllers;
use App\Models\Product;
use Illuminate\Http\Request;

class ProductController extends Controller
{
    //index
    public function index()
    {
        $products = Product::latest()->paginate(5);
        return view('products.index',compact('products'))->with('title',(request()->input('page', 1) - 1) * 5);
    }

    //create
    public function create()
    {
        return view('products.create');
    }

    //store
    public function store(Request $request)
    {
        $request->validate([
            'name' => 'required',
            'detail' => 'required',
        ]);

        $product = Product::create($request->all());
        return redirect()->route('products.index')->with('success','Product created successfully');
    }

    //show
    public function show(Product $product)
    {
        return view('products.show',compact('product'));
    }

    //edit
    public function edit(Product $product)
    {
        return view('products.edit',compact('product'));
    }

    //update
    public function update(Request $request, Product $product)
    {
        $request->validate([
            'name' => 'required',
            'detail' => 'required',
        ]);

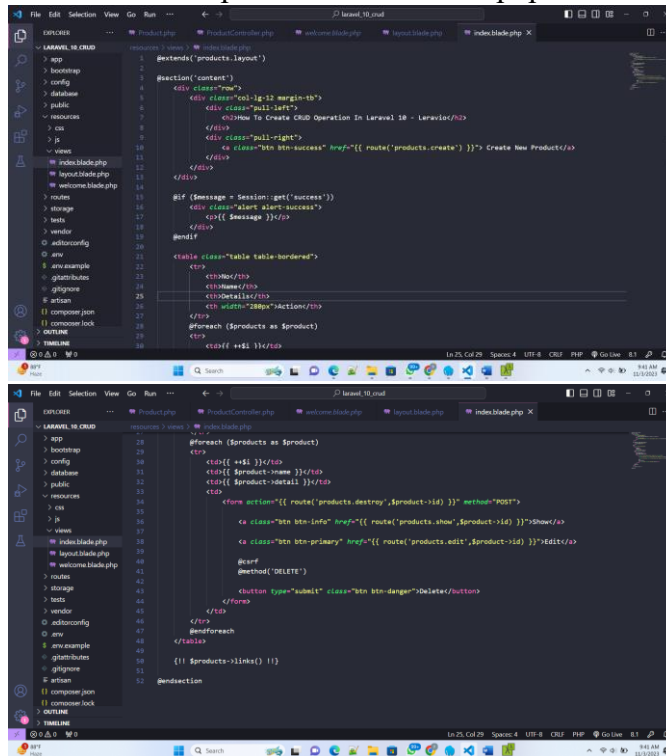
        $product->update($request->all());
        return redirect()->route('products.index')->with('success','Product updated successfully');
    }

    //destroy
    public function destroy(Product $product)
    {
        $product->delete();
        return redirect()->route('products.index')->with('success','Product deleted successfully');
    }
}
```

6. Lalu disini kita akan membuat file blade, dengan membuat file baru “products”
resources/views/products/layout.blade.php

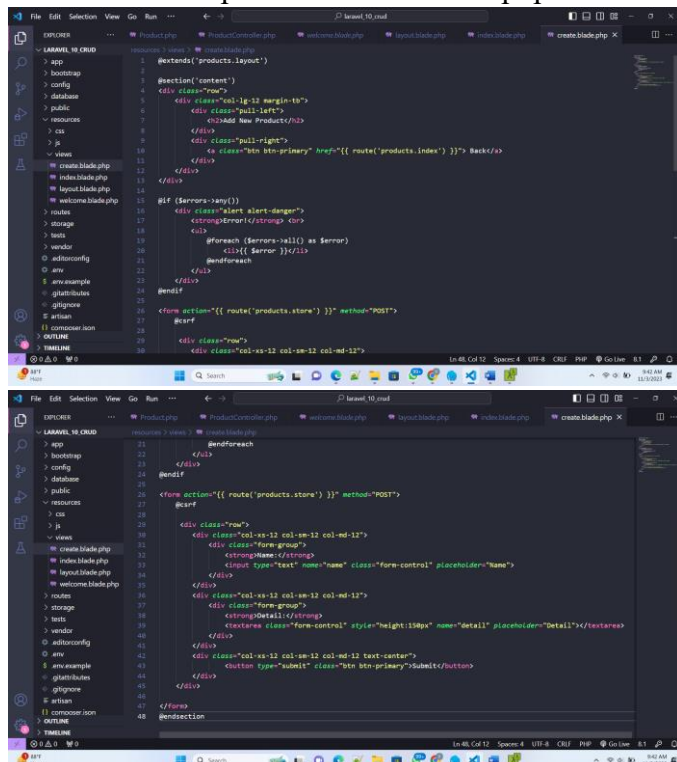
```
<?php
<doctype html>
<html>
<head>
<title>How To Create CRUD Operation In Laravel 10 - Laravip</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0-alpha/css/bootstrap.css" rel="stylesheet">
</head>
<body>
<div class="container" style="margin-top: 10px;>
    @yield('content')
</div>
</body>
</html>
```

resources/views/products/index.blade.php



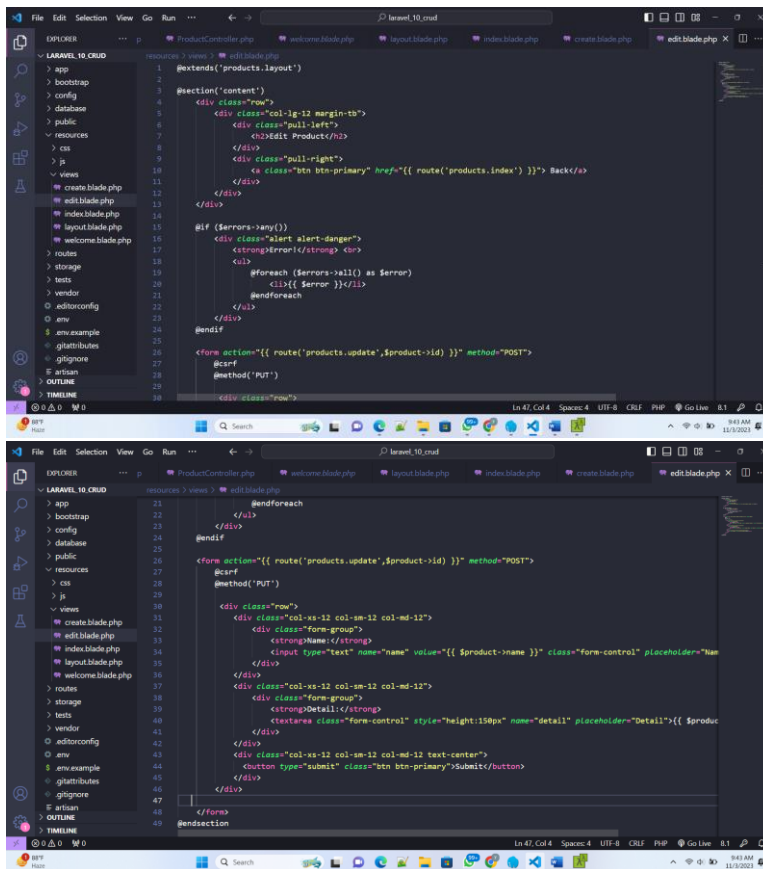
```
resources/views/products/index.blade.php
1 @extends('products.layout')
2 @section('content')
3     <div class="row">
4         <div class="col-12 margin-top">
5             <div class="pull-left">
6                 <h2>How To Create CRUD Operation In Laravel 10 - Laravel10</h2>
7             </div>
8             <div class="pull-right">
9                 <a class="btn btn-success" href="{{ route('products.create') }}"> Create New Product</a>
10            </div>
11        </div>
12    </div>
13    <div class="row">
14        <div class="col-12">
15            <div class="alert alert-success">
16                @if (Session::get('success'))
17                    {{ Session::get('success') }}
18                </div>
19            <table border="1">
20                <thead>
21                    <tr>
22                        <th>ID</th>
23                        <th>Name</th>
24                        <th>Details</th>
25                    </tr>
26                </thead>
27                <tbody>
28                    @foreach ($products as $product)
29                        <tr>
30                            <td>{{ $product->id }}</td>
31                            <td>{{ $product->name }}</td>
32                            <td>{{ $product->details }}</td>
33                        </tr>
34                    </tbody>
35                </table>
36                <div class="text-right">
37                    <a href="{{ route('products.destroy', $product->id) }}" method="POST">
38                        <div class="btn btn-info" href="{{ route('products.show', $product->id) }}"> Show</div>
39                        <div class="btn btn-primary" href="{{ route('products.edit', $product->id) }}"> Edit</div>
40                    </div>
41                </div>
42            </div>
43        </div>
44    </div>
45    <div class="row">
46        <div class="col-12">
47            <div class="text-right">
48                <button type="submit" class="btn btn-danger"> Delete</button>
49            </div>
50        </div>
51    </div>
52    @endsection
```

resources/views/products/create.blade.php

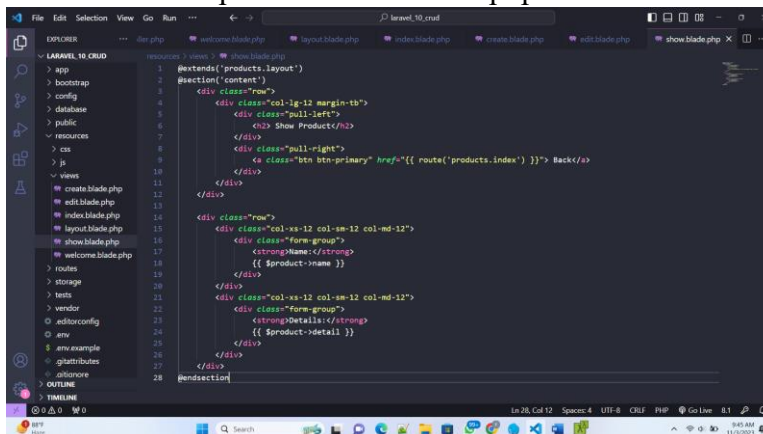


```
resources/views/products/create.blade.php
1 @extends('products.layout')
2 @section('content')
3     <div class="row">
4         <div class="col-12 margin-top">
5             <div class="pull-left">
6                 <h2>How To Create CRUD Operation In Laravel 10 - Laravel10</h2>
7             </div>
8             <div class="pull-right">
9                 <a class="btn btn-primary" href="{{ route('products.index') }}"> Back</a>
10            </div>
11        </div>
12    </div>
13    <div class="row">
14        <div class="col-12">
15            <div class="alert alert-danger">
16                @if (Session::get('error'))
17                    {{ Session::get('error') }}
18                </div>
19            <div class="text-right">
20                <a href="{{ route('products.store') }}" method="POST">
21                    <div class="btn btn-primary" href="{{ route('products.index') }}"> Show</div>
22                    <div class="btn btn-primary" href="{{ route('products.edit', $product->id) }}"> Edit</div>
23                </div>
24            </div>
25        </div>
26    </div>
27    <div class="row">
28        <div class="col-12">
29            <div class="text-right">
30                <button type="submit" class="btn btn-danger"> Delete</button>
31            </div>
32        </div>
33    </div>
34    @endsection
```

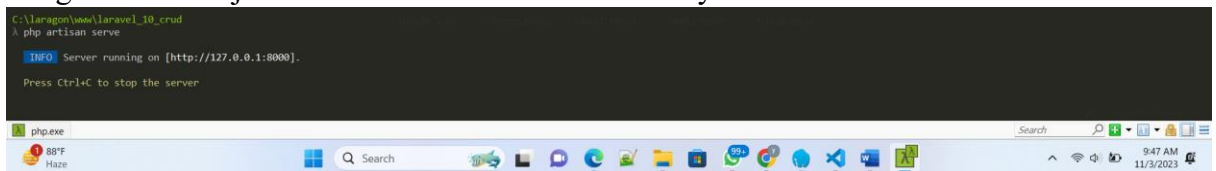
resources/views/products/edit.blade.php

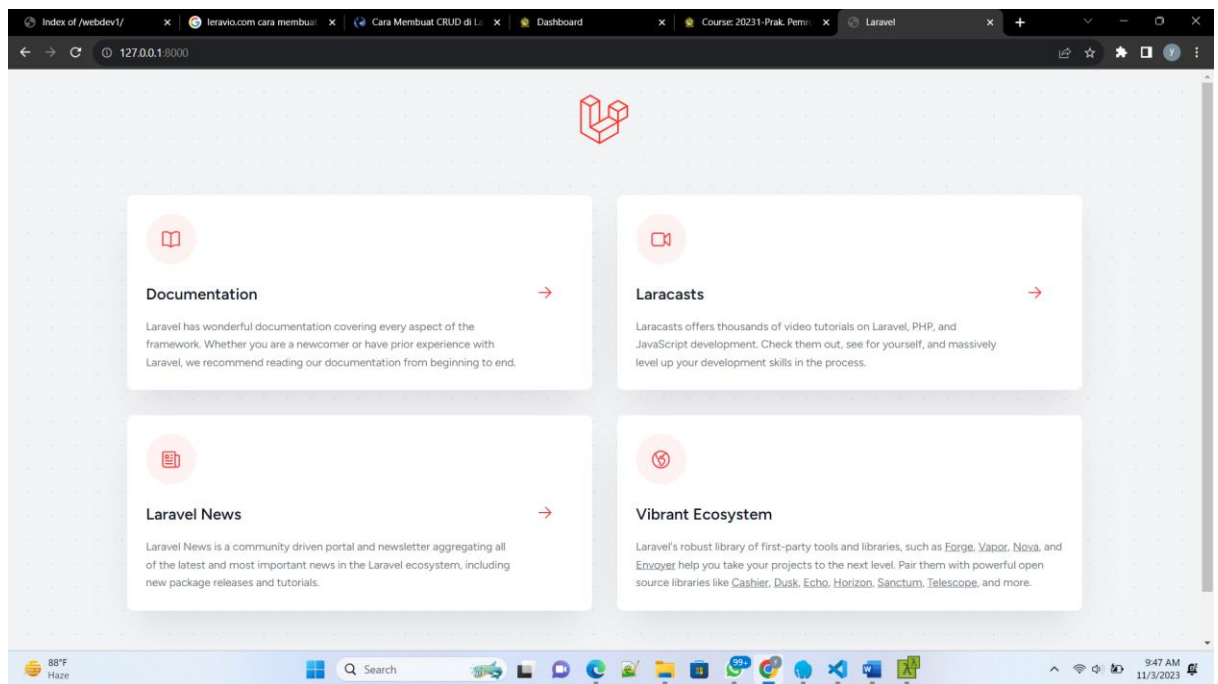


resources/views/products/show.blade.php



7. Langkah terakhir jalankan Laravel di server terminalnya





Kemudian jika kita buka 1 yaitu model laracasts maka nanti di terminal akan muncul timestamps nya

