Basic Routing

a.

```
Route::get('/hello',function(){
    return 'Hello World';
});
```

localhost/PWL_2024/public/hello

Hello World

b.

```
Route::get('/world', function(){
    return 'World';
});
```

localhost/PWL_2024/public/world

World

c.

```
Route::get('/about', function(){
    return '2141762044 - Ereen Lourenza Natalia Mamahi';
});
```

127.0.0.1:8000/about

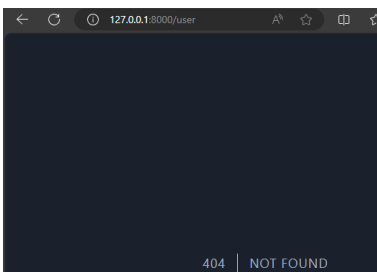2141762044 - Ereen Lourenza Natalia Mamahi

Route Parameter

a.

```
Route::get('/user/{name}', function($name){
    return 'Nama saya '.$name;
});
```

127.0.0.1:8000/user/Ereen%20Lourenza%20Natalia%20Mamahi

Nama saya Ereen Lourenza Natalia Mamahi

b.

127.0.0.1:8000/user

404 | NOT FOUND

Tidak menampilkan apa-apa karena membutuhkan parameter berupa nama

c.

```
Route::get('/posts/{post}/comments/{comment}',
        function($postId, $commentId){
            return 'Pos ke-'.$postId." Komentar ke-: ".$commentId;
        });
```

127.0.0.1:8000/posts/1/comments/5

Pos ke-1 Komentar ke-: 5

Angka pos dan komentar muncul berdasarkan inputan pada link web

d.

```
Route::get('/articles/{id}',function($id){
    return 'Halaman Artikel dengan ID '.$id;
});
```

127.0.0.1:8000/articles/1

Halaman Artikel dengan ID 1

Optional Parameters

a.

```
Route::get('/user/{name?}', function($name=null){
    return 'Nama saya '.$name;
});
```

127.0.0.1:8000/user

Nama saya

b.

```
Route::get('/user/{name}', function($name='John'){
    return 'Nama saya '.$name;
});
```

127.0.0.1:8000/user

Nama saya John

Membuat Controller

a.

```
Route::get('/hello', [WelcomeController::class,'hello']);
```

← C ⓘ 127.0.0.1:8000/hello

Hello World

b.

```
Route::get('/', [PageController::class,'index']);
```

← C ⓘ 127.0.0.1:8000

Selamat Datang

c.

```
Route::get('/about', [PageController::class,'about']);
```

← C ⓘ 127.0.0.1:8000/about

Ereen Lourenza Natalia Mamahi - 2141762044

d.

```
Route::get('/articles/{id}', [PageController::class,'articles']);
```

← C ⓘ 127.0.0.1:8000/articles/89

Halaman Artikel dengan Id 89

e. **Modifikasi Home Controller**

```
class HomeController extends Controller
{
    public function index(){
        return 'Welcome to Web';
    }
}
```

```
Route::get('/',[HomeController::class,'index']);
```

← C ⓘ 127.0.0.1:8000

Welcome to Web

f. **Modifikasi About Controller**

```
class AboutController extends Controller
{
    public function about(){
        return 'SIB3C - Ereen Lourenza Natalia Mamahi - 2141762044';
    }
}
```

```
Route::get('/about',[AboutController::class,'about']);
```

← C ⓘ 127.0.0.1:8000/about   A⟩

SIB3C - Ereen Lourenza Natalia Mamahi - 2141762044

g. Modifikasi Articles Controller

```php
class ArticlesController extends Controller
{
    public function articles($id){
        return 'Halaman Artikel dengan nomor ID = ' .$id;
    }
}
```

```php
Route::get('/articles/{id}',[ArticlesController::class,'articles']);
```

```
←    ⟳    ⓘ    127.0.0.1:8000/articles/65
```

Halaman Artikel dengan nomor ID = 65

Resources Controller

a. Make PhotoController

```
C:\laragon\www\PWL_2024>php artisan make:controller PhotoController --resource

 INFO  Controller [C:\laragon\www\PWL_2024\app\Http\Controllers\PhotoController.php] created successfully.
```

```php
class PhotoController extends Controller
{
    /**
     * Display a listing of the resource.
     */
    public function index()
    {
        //
    }

    /**
     * Show the form for creating a new resource.
     */
    public function create()
    {
        //
    }

    /**
     * Store a newly created resource in storage.
     */
    public function store(Request $request)
    {
        //
    }

    /**
     * Display the specified resource.
     */
    public function show(string $id)
```

b.

```php
Route::resource('photos', PhotoController::class);
```

c. php artisan route:list

```
GET|HEAD      photos ........................................................... photos.index › PhotoController@index
POST          photos ........................................................... photos.store › PhotoController@store
GET|HEAD      photos/create ............................................... photos.create › PhotoController@create
GET|HEAD      photos/{photo} ................................................. photos.show › PhotoController@show
PUT|PATCH     photos/{photo} ............................................. photos.update › PhotoController@update
DELETE        photos/{photo} ........................................... photos.destroy › PhotoController@destroy
GET|HEAD      photos/{photo}/edit ........................................... photos.edit › PhotoController@edit
GET|HEAD      posts/{post}/comments/{comment} ..................................................................
GET|HEAD      sanctum/csrf-cookie ........................ sanctum.csrf-cookie › Laravel\Sanctum › CsrfCookieController@show
GET|HEAD      user/{name?} .....................................................................................
GET|HEAD      world ............................................................................................
```

d. only index & show

```
Route::resource('photos', PhotoController::class)->only([
    'index','show'
]);
```

```
C:\laragon\www\PWL_2024>php artisan route:list

GET|HEAD      / ................................................................. HomeController@index
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      about ................................................................. AboutController@about
GET|HEAD      api/user
GET|HEAD      articles/{id} ........................................................ ArticlesController@articles
GET|HEAD      hello ................................................................ WelcomeController@hello
GET|HEAD      photos ..................................................... photos.index › PhotoController@index
GET|HEAD      photos/{photo} ............................................... photos.show › PhotoController@show
GET|HEAD      sanctum/csrf-cookie ........................ sanctum.csrf-cookie › Laravel\Sanctum › CsrfCookieController@show
```

e. except create, store, update, destroy

```
Route::resource('photos', PhotoController::class)->except([
    'create','store','update','destroy'
]);
```

```
C:\laragon\www\PWL_2024>php artisan route:list

GET|HEAD      / ................................................................. HomeController@index
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      about ................................................................. AboutController@about
GET|HEAD      api/user
GET|HEAD      articles/{id} ........................................................ ArticlesController@articles
GET|HEAD      hello ................................................................ WelcomeController@hello
GET|HEAD      photos ..................................................... photos.index › PhotoController@index
GET|HEAD      photos/{photo} ............................................... photos.show › PhotoController@show
GET|HEAD      photos/{photo}/edit ........................................... photos.edit › PhotoController@edit
GET|HEAD      sanctum/csrf-cookie ........................ sanctum.csrf-cookie › Laravel\Sanctum › CsrfCookieController@show
```

Membuat View

a. hello.blade.php

```
∨ views              ●
  ∨ polinema
    🐘 dosen.blade.php
    🐘 mahasiswa.blade....
  🐘 hello.blade.php  U
  🐘 welcome.blade.php
```

```
resources > views > 🐘 hello.blade.php > ⬡ html
   1    <!-- View pada resources/views/hello.blade.php -->
   2    <html>
   3        <body>
   4            <h1>Hello, {{ $name }}</h1>
   5        </body>
   6    </html>
```

```
Route::get('/greeting', function(){
    return view('hello', ['name' => 'Ereen']);
});
```

```
←    ↻    ⓘ  127.0.0.1:8000/greeting
```

Hello, Ereen

b. memasukkan hello.blade.php ke direktori blog

```
∨ views              ●
  ∨ blog             ●
    🐘 hello.blade.p... U
  ∨ polinema
    🐘 dosen.blade.php
    🐘 mahasiswa.blade....
  🐘 welcome.blade.php
```

```
Route::get('/greeting', function(){
    return view('blog.hello', ['name' => 'Ereen']);
});
```

```
←    ↻    ⓘ  127.0.0.1:8000/greeting
```

Hello, Ereen

Menampilkan hello.blade.php dimana memanggil direktori blog.hello

Menampilkan View dari Controller

a. menambahkan function greeting()

```
class WelcomeController extends Controller
{
    public function hello(){
        return 'Hello World';
    }

    public function greeting(){
        return view('blog.hello', ['name' => 'Ereen Lourenza']);
    }
}
```

Mengubah route dengan memanggil function greeting di WelcomeController

```
Route::get('/greeting', [WelcomeController::class, 'greeting']);
```

127.0.0.1:8000/greeting

Hello, Ereen Lourenza

Meneruskan Data ke View

a.

```php
class WelcomeController extends Controller
{
    public function hello(){
        return 'Hello World';
    }

    public function greeting(){
        return view('blog.hello')
        ->with('name','Ereen L N M')
        ->with('occupation','Astronaut');
    }
}
```

```
resources > views > blog > 🐷 hello.blade.php > 🔷 html
1    <!-- View pada resources/views/hello.blade.php --
2    <html>
3        <body>
4            <h1>Hello, {{ $name }}</h1>
5            <h1>You are, {{ $occupation }}</h1>
6        </body>
7    </html>
```

← C ⓘ 127.0.0.1:8000/greeting

Hello, Ereen L N M

You are, Astronaut

TUGAS PRAKTIKUM

Project Point of Sales Route, Controller, dan View

1. Halaman Home
   - Route

```php
Route::get('/', function () {
    return view('home');
});

Route::get('/home', [HomeController::class, 'index']);
```

   - Controller

```php
class HomeController extends Controller
{
    public function index(){
        return view('home');
    }
}
```

   - View

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Point of Sales</title>
    </head>
    <body>
        <h1>Hello,</h1>
        <h2>Welcome to Our Website</h2>
    </body>
</html>
```

   - Result

127.0.0.1:8000/home

Hello,

Welcome to Our Website
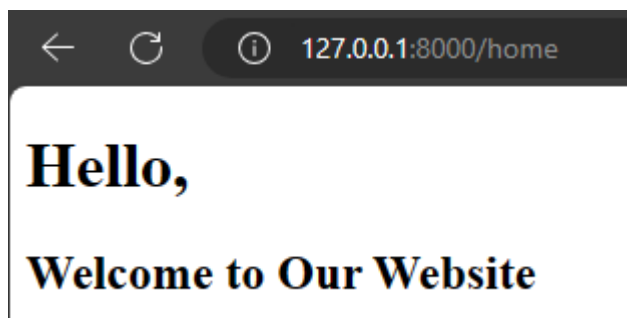
2. Halaman Products (route prefix)
   - Route

```php
Route::prefix('category')->group(function(){
    Route::get('/food-beverage', [FoodBeverageController::class, 'index']);
    Route::get('/beauty-health',[BeautyHealthController::class, 'index']);
    Route::get('/home-care',[HomeCareController::class, 'index']);
    Route::get('/baby-kid', [BabyKidController::class, 'index']);
});
```

   - Controller
     FoodBeverageController

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class FoodBeverageController extends Controller
{
    public function index(){
        return view('foodBeverage');
    }
}
```

     BeautyHealthController

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class BeautyHealthController extends Controller
{
    public function index(){
        return view('beautyHealth');
    }
}
```

     HomeCareController

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class HomeCareController extends Controller
{
    public function index(){
        return view('homeCare');
    }
}
```

BabyKidController

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class BabyKidController extends Controller
{
    public function index(){
        return view('babyKid');
    }
}
```

- View
foodBeverage.blade.php

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Point of Sales</title>
    </head>
    <body>
        <h1>Hello,</h1>
        <h2>Ini adalah halaman Food Beverage</h2>
    </body>
</html>
```
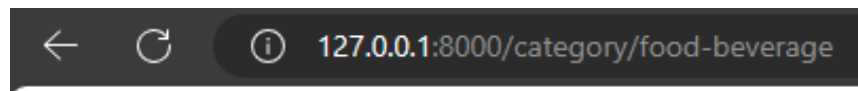
beautyHealth.blade.php

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Point of Sales</title>
    </head>
    <body>
        <h1>Hello,</h1>
        <h2>Ini adalah halaman Beauty Health</h2>
    </body>
</html>
```

homeCare.blade.php

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Point of Sales</title>
    </head>
    <body>
        <h1>Hello,</h1>
        <h2>Ini adalah halaman Home Care</h2>
    </body>
</html>
```

babyKid.blade.php
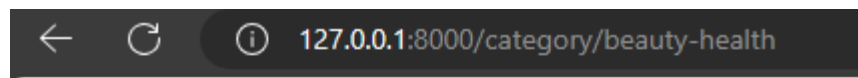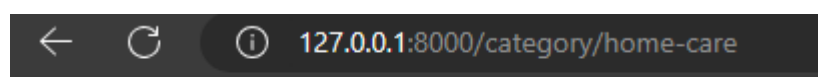
```
<!DOCTYPE html>
<html>
    <head>
        <title>Point of Sales</title>
    </head>
    <body>
        <h1>Hello,</h1>
        <h2>Ini adalah halaman Baby Kid</h2>
    </body>
</html>
```
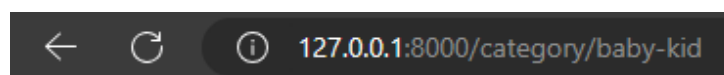
- Result

127.0.0.1:8000/category/food-beverage

Hello,

Ini adalah halaman Food Beverage

127.0.0.1:8000/category/beauty-health

Hello,

Ini adalah halaman Beauty Health

127.0.0.1:8000/category/home-care

Hello,

Ini adalah halaman Home Care

127.0.0.1:8000/category/baby-kid

Hello,

Ini adalah halaman Baby Kid

3. Halaman User (route param)
   - Route

```php
Route::get('user/{id}/name/{name}', function($id,$name){
    return App\Http\Controllers\UserController::index($id,$name);
});
```
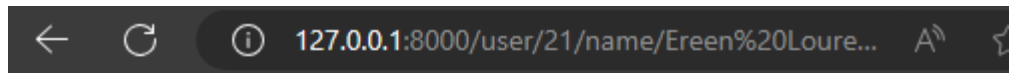
   - Controller

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class UserController extends Controller
{
    public static function index($id,$name){
        return view('user')
        ->with('id', $id)
        ->with('name', $name);
    }
}
```

   - View

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Point of Sales</title>
    </head>
    <body>
        <h1>Hello,</h1>
        <h2>Ini adalah halaman User</h2>
        <h2>ID = {{ $id }}</h2>
        <h2>Nama = {{ $name }}</h2>
    </body>
</html>
```

   - Result

127.0.0.1:8000/user/21/name/Ereen%20Loure...

Hello,

Ini adalah halaman User

ID = 21

Nama = Ereen Lourenza N. M

4. Halaman Penjualan
   - Route

```
Route::get('/penjualan', [PenjualanController::class, 'index']);
```

   - Controller

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class PenjualanController extends Controller
{
    public function index(){
        return view('penjualan');
    }
}
```

   - View

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Point of Sales</title>
    </head>
    <body>
        <h1>Hello,</h1>
        <h2>Ini adalah halaman User</h2>
        <h2>ID = {{ $id }}</h2>
        <h2>Nama = {{ $name }}</h2>
    </body>
</html>
```

   - Result

127.0.0.1:8000/penjualan

Hello,

Ini adalah halaman Penjualan