

PRAKTIKUM MODUL 04
PEMROGRAMAN FRAMEWORK
PENGENALAN CONTROLLER DAN VIEW PADA LARAVEL



DISUSUN OLEH:

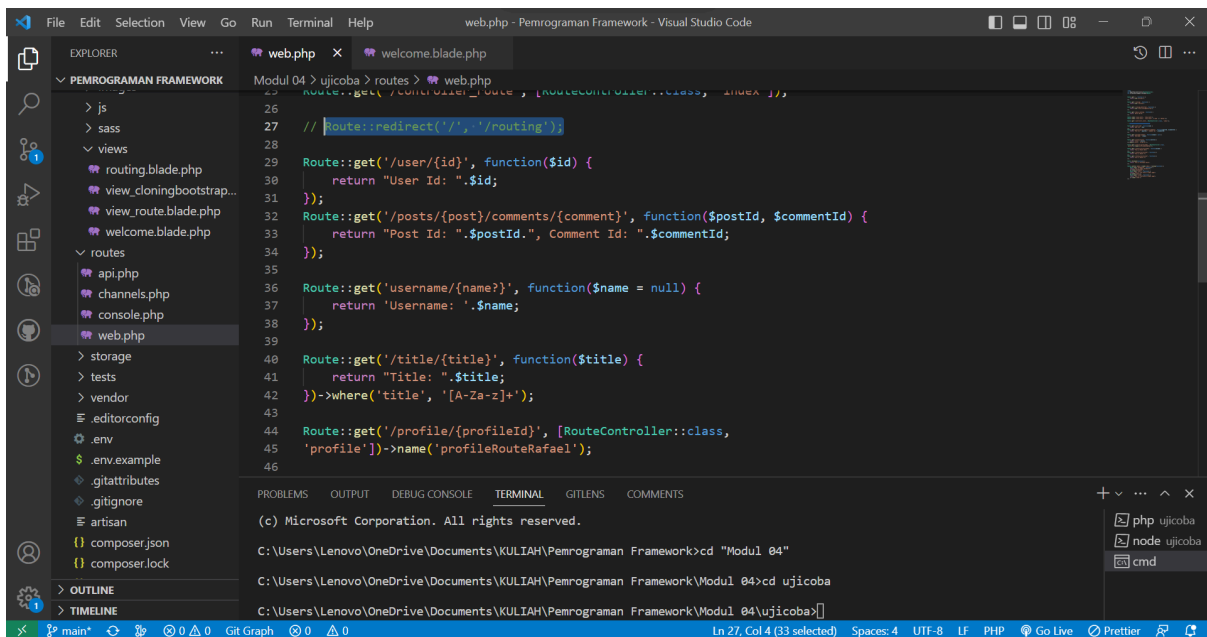
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PROGRAM STUDI SISTEM INFORMASI
FAKULTAS REKAYASA INDUSTRI
TELKOM UNIVERSITY SURABAYA
2024

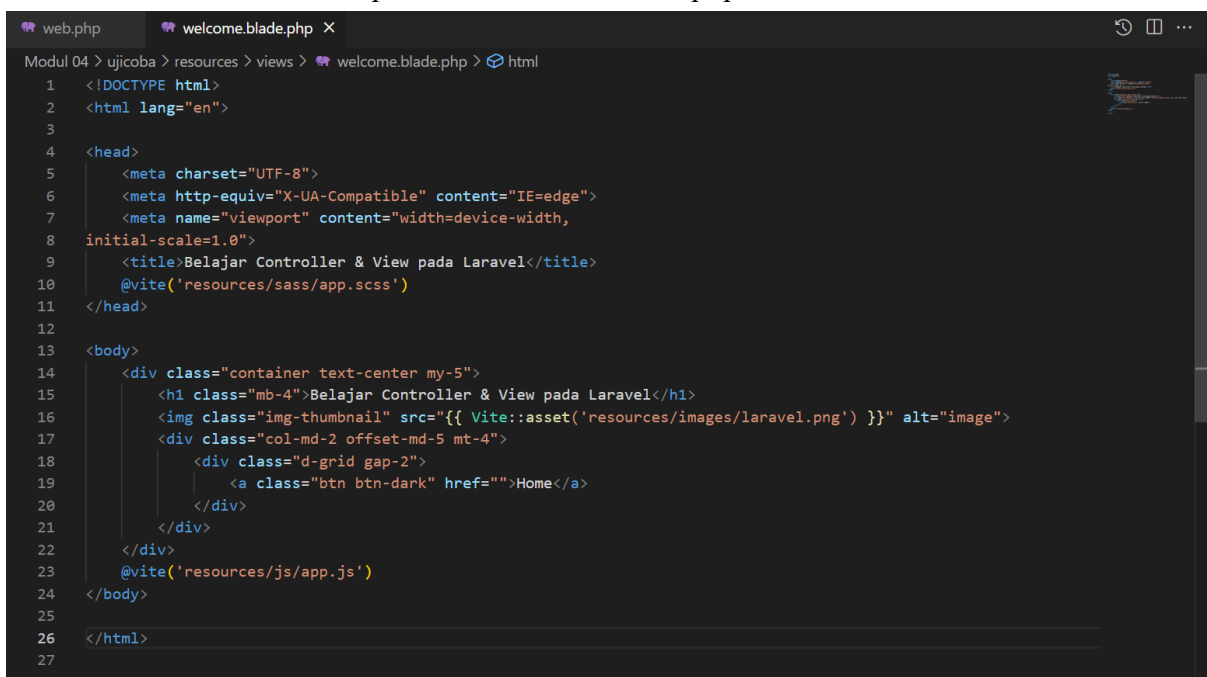
Generate Laravel Project

Link Github: <https://github.com/elFill03/Pemrograman-Framework>

1. Saya menggunakan project sebelumnya yang telah digunakan pada modul 3 sehingga tidak perlu melakukan set up project laravel ulang. Dengan ketentuan mengganti file views pada halaman welcome dan menghapus/mengcomment satu baris redirect yang menuju ke halaman /routing yang ada pada file web.php. Karena dengan adanya redirect tersebut apabila hendak ke halaman <http://localhost:8000/> maka akan otomatis menuju ke halaman <http://localhost:8000/routing>

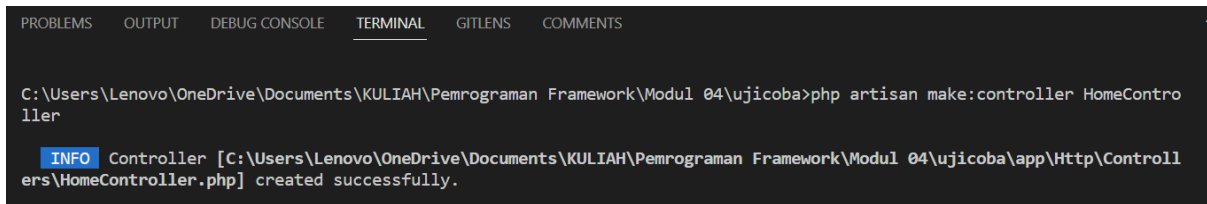


2. Isi dari halaman welcome pada file welcome.blade.php



Praktik Halaman Home

1. Buat sebuah controller dengan nama HomeController melalui cmd

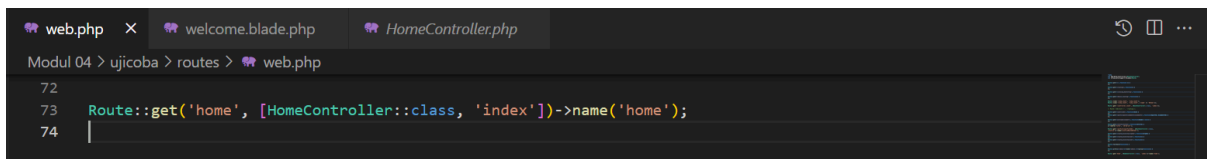


```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL GITLENS COMMENTS

C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 04\ujicoba>php artisan make:controller HomeController

[INFO] Controller [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 04\ujicoba\app\Http\Controllers\HomeController.php] created successfully.
```

2. Selanjutnya buat route pada file web.php yang mengarah pada halaman home dengan nama function index

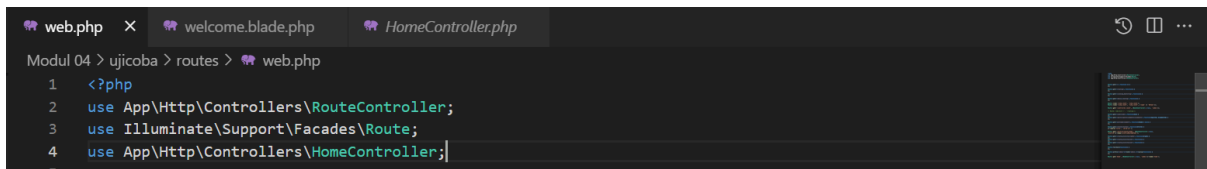


```
web.php x welcome.blade.php HomeController.php

Modul 04 > ujicoba > routes > web.php

72
73 Route::get('home', [HomeController::class, 'index'])->name('home');
74 |
```

3. Tambahkan juga import statement untuk HomeController seperti berikut



```
web.php x welcome.blade.php HomeController.php

Modul 04 > ujicoba > routes > web.php

1 <?php
2 use App\Http\Controllers\RouteController;
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\HomeController;|
5
```

4. Pada bagian Home Controller tambahkan function dengan nama index yang berfungsi untuk memanggil halaman home



```
web.php welcome.blade.php HomeController.php x

Modul 04 > ujicoba > app > Http > Controllers > HomeController.php

1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7 class HomeController extends Controller
8 {
9     function index()
10    {
11        $pageTitle = 'Home';
12
13        return view('home', ['pageTitle' => $pageTitle]);
14    }
15 }
16 |
```

5. Selanjutnya buat halaman home dengan nama home.blade.php yang isi halamannya seperti berikut

```
web.php welcome.blade.php HomeController.php home.blade.php X
navbar.navbar-expand-md.navbar-dark.bg-primary > div.container > div#navbarSupportedContent.collapse.navbar-collapse > a.btn.btn-outline-light.my-2.ms-md-auto
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7   <meta name="viewport" content="width=device-width,
8   initial-scale=1.0">
9   <title>{{ $pageTitle }}</title>
10   @vite('resources/sass/app.scss')
11 </head>
12
13 <body>
14   <nav class="navbar navbar-expand-md navbar-dark bg-primary">
15     <div class="container">
16       <a href="{{ route('home') }}" class="navbar-brand mb-0 h1"><i class="bi-hexagon-fill me-2"></i> Data
17       Master</a>
18       <button type="button" class="navbar-toggler" data-bs-toggle="collapse"
19       data-bs-target="#navbarSupportedContent">
20         <span class="navbar-toggler-icon"></span>
21       </button>
22       <div class="collapse navbar-collapse" id="navbarSupportedContent">
23         <hr class="d-lg-none text-white-50">
24         <ul class="navbar-nav flex-row flex-wrap">
25           <li class="nav-item col-2 col-md-auto"><a href="{{ route('home') }}"
26             class="nav-link active">Home</a></li>
27           <li class="nav-item col-2 col-md-auto"><a href="{{ route('employees.index') }}"
28             class="nav-link">Employee List</a></li>
29         </ul>
```

```
web.php welcome.blade.php HomeController.php home.blade.php X
Modul 04 > ujicoba > resources > views > home.blade.php > html > body > nav.navbar.navbar-expand-md.navbar-dark.bg-primary
29 </ul>
30 <hr class="d-lg-none text-white-50">
31 <a href="{{ route('profile') }}" class="btn
32 btn-outline-light my-2 ms-md-auto"><i
33   class="bi-person-circle me-1"></i>
34   My Profile</a>
35 </div>
36 </div>
37 </nav>
38 <div class="container mt-4">
39   <h4>{{ $pageTitle }}</h4>
40   <hr>
41   <div class="d-flex align-items-center py-2 px-4 bg-light
42   rounded-3 border">
43     <div class="bi-house-fill me-3 fs-1"></div>
44     <h4 class="mb-0">Well done! this is {{ $pageTitle }}.</h4>
45   </div>
46 </div>
47 @vite('resources/js/app.js')
48 </body>
49
50 </html>
51
```

6. Ubah url pada halaman welcome yang ada pada button dengan nama home agar terhubung ke halaman home apabila ditekan seperti ini

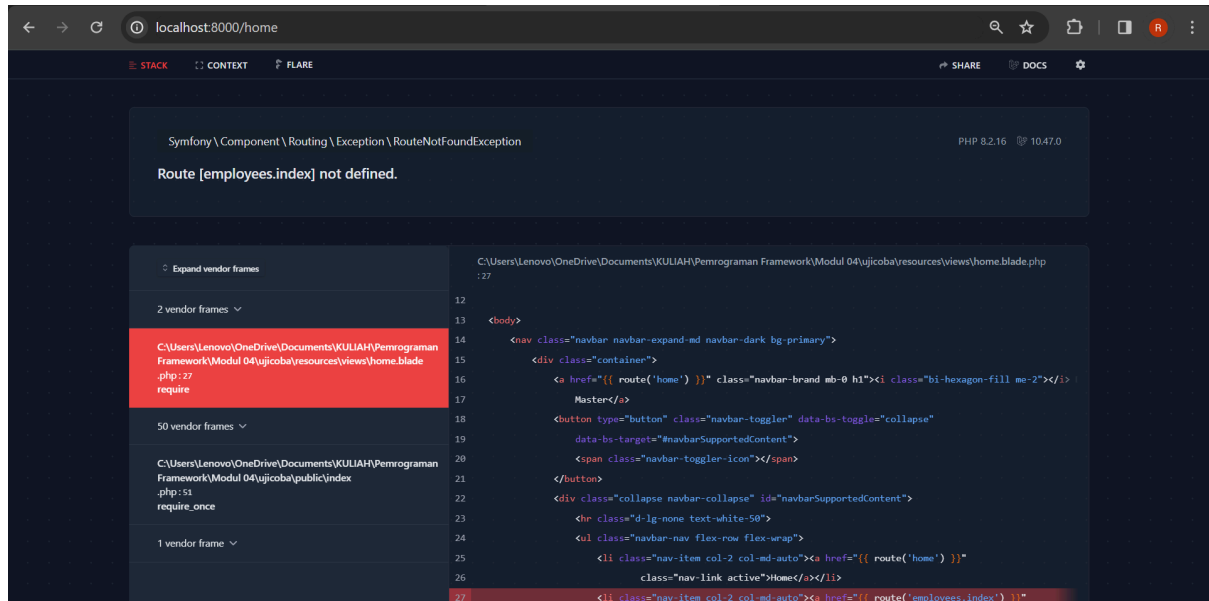
```
web.php welcome.blade.php X HomeController.php home.blade.php
sources > views > welcome.blade.php > html > body > div.container.text-center.my-5 > div.col-md-2.offset-md-5.mt-4 > div.d-grid.gap-2 > a.btn.btn-dark
18 <div class="d-grid gap-2">
19   <a class="btn btn-dark" href="{{ url('/home') }}">Home</a>
20 </div>
```

7. Lalu apabila telah berpindah ke halaman home namun masih ada error atau ada yang not defined itu karena saya belum membuat halaman yang dituju, contohnya sebagai berikut pada url yang mengarah pada employee (lane 27-28) dan my profile (lane 31-34) telah saya hilangkan sementara agar halaman home dapat diakses tanpa adanya error

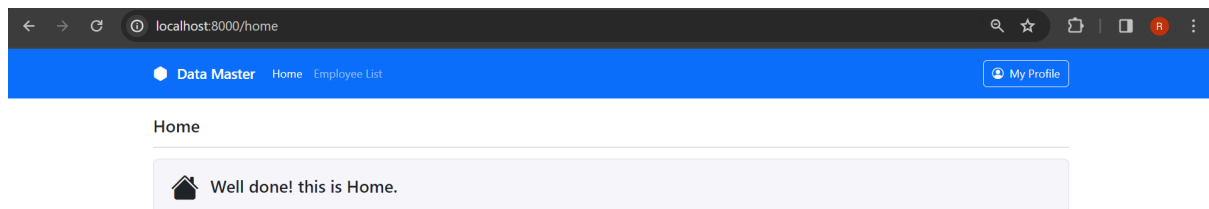
```
web.php welcome.blade.php HomeController.php home.blade.php X
g-primary > div.container > div#navbarSupportedContent.collapse.navbar-collapse > ul.navbar-nav.flex-row.flex-wrap > li.nav-item.col-2.col-md-auto > a.nav-link
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7   <meta name="viewport" content="width=device-width,
8   initial-scale=1.0">
9   <title>{{ $pageTitle }}</title>
10  @vite('resources/sass/app.scss')
11 </head>
12
13 <body>
14   <nav class="navbar navbar-expand-md navbar-dark bg-primary">
15     <div class="container">
16       <a href="{{ route('home') }}" class="navbar-brand mb-0 h1"><i class="bi-hexagon-fill me-2"></i> Data
17       Master</a>
18       <button type="button" class="navbar-toggler" data-bs-toggle="collapse"
19       data-bs-target="#navbarSupportedContent">
20         <span class="navbar-toggler-icon"></span>
21       </button>
22       <div class="collapse navbar-collapse" id="navbarSupportedContent">
23         <hr class="d-lg-none text-white-50">
24         <ul class="navbar-nav flex-row flex-wrap">
25           <li class="nav-item col-2 col-md-auto"><a href="{{ route('home') }}"
26             class="nav-link active">Home</a></li>
27           <li class="nav-item col-2 col-md-auto"><a href="#"
28             class="nav-link">Employee List</a></li>
29         </ul>
```

```
web.php welcome.blade.php HomeController.php home.blade.php X
g-primary > div.container > div#navbarSupportedContent.collapse.navbar-collapse > ul.navbar-nav.flex-row.flex-wrap > li.nav-item.col-2.col-md-auto > a.nav-link
29 </ul>
30 <hr class="d-lg-none text-white-50">
31 <a href="#" class="btn
32 btn-outline-light my-2 ms-md-auto"><i
33   class="bi-person-circle me-1"></i>
34   My Profile</a>
35 </div>
36 </div>
37 </nav>
38 <div class="container mt-4">
39   <h4>{{ $pageTitle }}</h4>
40   <hr>
41   <div class="d-flex align-items-center py-2 px-4 bg-light
42   rounded-3 border">
43     <div class="bi-house-fill me-3 fs-1"></div>
44     <h4 class="mb-0">Well done! this is {{ $pageTitle }}.</h4>
45   </div>
46 </div>
47 @vite('resources/js/app.js')
48 </body>
49
50 </html>
51
```

8. Contoh ketika membuka halaman home akan tetapi belum membuat halaman employee dan my profile

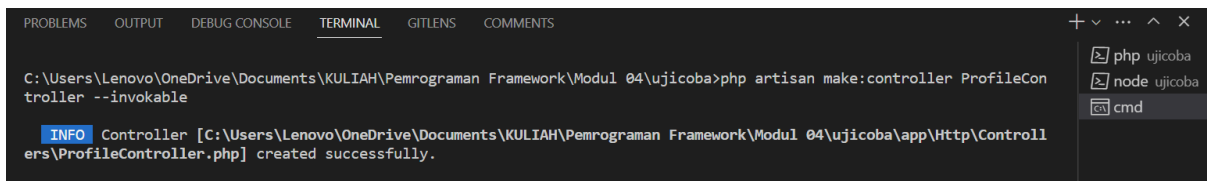


9. Contoh apabila halaman home berhasil diakses dengan menghilangkan url yang belum di-define atau telah men-define semua url yang dipakai



Praktik Halaman My Profile

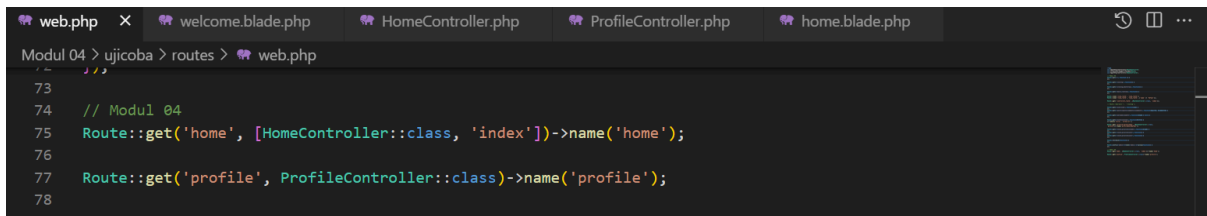
1. Pertama buat sebuah single action controller dengan nama ProfileController melalui cmd



```
C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 04\ujicoba>php artisan make:controller ProfileController --invokable

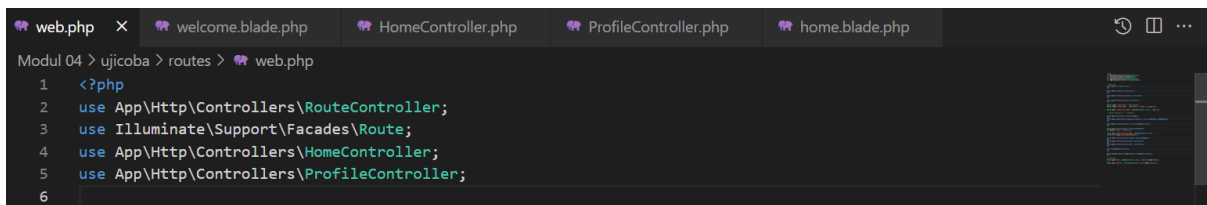
[INFO] Controller [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 04\ujicoba\app\Http\Controllers\ProfileController.php] created successfully.
```

2. Kemudian buat sebuah route yang melakukan request get ke ProfileController seperti berikut pada file web.php (lane 77)



```
Modul 04 > ujicoba > routes > web.php
73
74 // Modul 04
75 Route::get('home', [HomeController::class, 'index'])->name('home');
76
77 Route::get('profile', ProfileController::class)->name('profile');
78
```

3. Tambahkan import statement untuk ProfileController seperti berikut



```
Modul 04 > ujicoba > routes > web.php
1 <?php
2 use App\Http\Controllers\RouteController;
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\HomeController;
5 use App\Http\Controllers\ProfileController;
6
```

4. Pada ProfileController buat sebuah function yang mengarah pada halaman profil

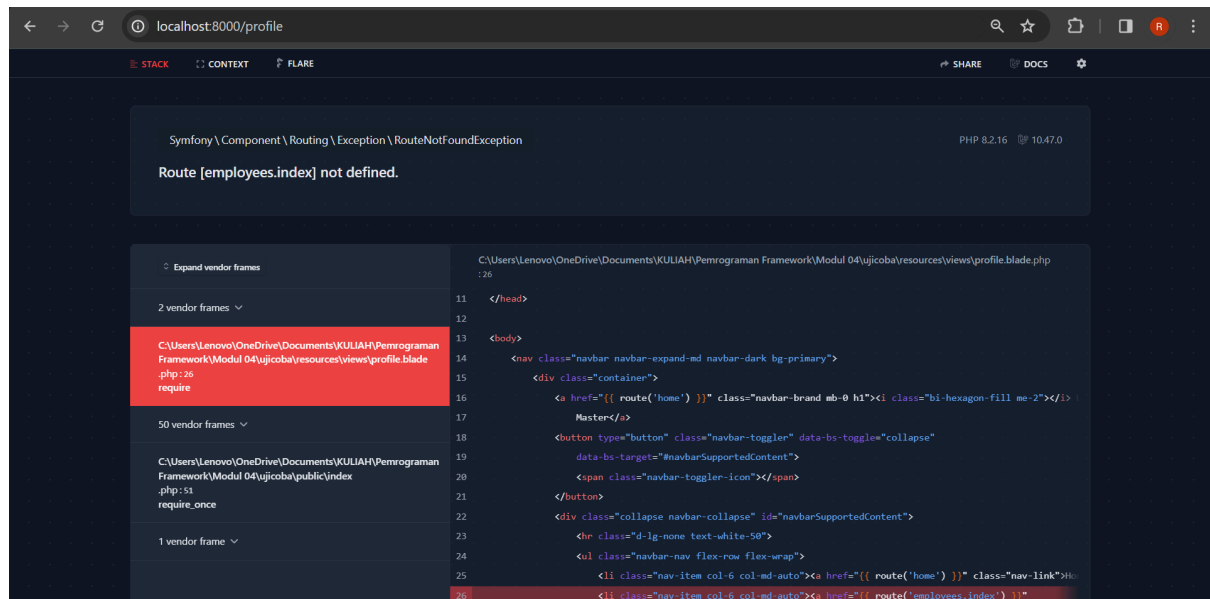


```
Modul 04 > ujicoba > app > Http > Controllers > ProfileController.php
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7 class ProfileController extends Controller
8 {
9
10     public function __invoke(Request $request)
11     {
12         $pageTitle = 'Profile';
13
14         return view('profile', ['pageTitle' => $pageTitle]);
15     }
16 }
17
18
```

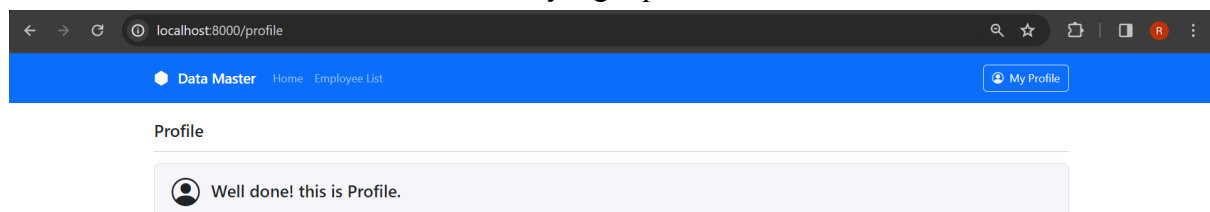
5. Selanjutnya buat sebuah halaman view profile dengan nama profile.blade.php

```
web.php welcome.blade.php ProfileController.php profile.blade.php X home.blade.php
Modul 04 > ujicoba > resources > views > profile.blade.php > html > body > div.container.mt-4
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5     <meta charset="UTF-8">
6     <meta http-equiv="X-UA-Compatible" content="IE=edge">
7     <meta name="viewport" content="width=device-width,
8 initial-scale=1.0">
9     <title>{{ $pageTitle }}</title>
10    @vite('resources/sass/app.scss')
11 </head>
12
13 <body>
14     <nav class="navbar navbar-expand-md navbar-dark bg-primary">
15         <div class="container">
16             <a href="{{ route('home') }}" class="navbar-brand mb-0 h1"><i class="bi-hexagon-fill me-2"></i> Data
17             Master</a>
18             <button type="button" class="navbar-toggler" data-bs-toggle="collapse"
19             data-bs-target="#navbarSupportedContent">
20                 <span class="navbar-toggler-icon"></span>
21             </button>
22             <div class="collapse navbar-collapse" id="navbarSupportedContent">
23                 <hr class="d-lg-none text-white-50">
24                 <ul class="navbar-nav flex-row flex-wrap">
25                     <li class="nav-item col-6 col-md-auto"><a href="{{ route('home') }}" class="nav-link">Home</
26                     <li class="nav-item col-6 col-md-auto"><a href="{{ route('employees.index') }}"
27                     class="nav-link">Employee List</a></li>
28                 </ul>
29
30                 <hr class="d-lg-none text-white-50">
31                 <a href="{{ route('profile') }}" class="btn
32                 btn-outline-light my-2 ms-md-auto"><i
33                     class="bi-person-circle me-1"></i>
34                     My Profile</a>
35             </div>
36         </div>
37     </nav>
38     <div class="container mt-4">
39         <h4>{{ $pageTitle }}</h4>
40         <hr>
41         <div class="d-flex align-items-center py-2 px-4 bg-light
42         rounded-3 border">
43             <div class="bi-person-circle me-3 fs-1"></div>
44             <h4 class="mb-0">Well done! this is {{ $pageTitle }}.</h4>
45         </div>
46         @vite('resources/js/app.js')
47     </body>
48
49 </html>
50
```


6. Sama seperti sebelumnya apabila saya membuka halaman home atau profil terdapat satu error dimana employee masih belum di define maka muncul seperti berikut

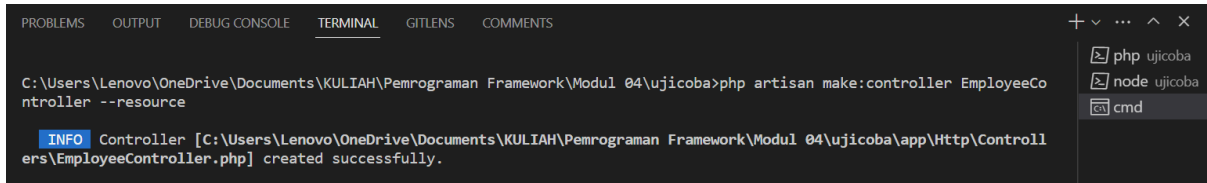


7. Contoh apabila halaman profil berhasil diakses dengan menghilangkan url yang belum di-define atau telah men-define semua url yang dipakai



Praktik Halaman Employee List

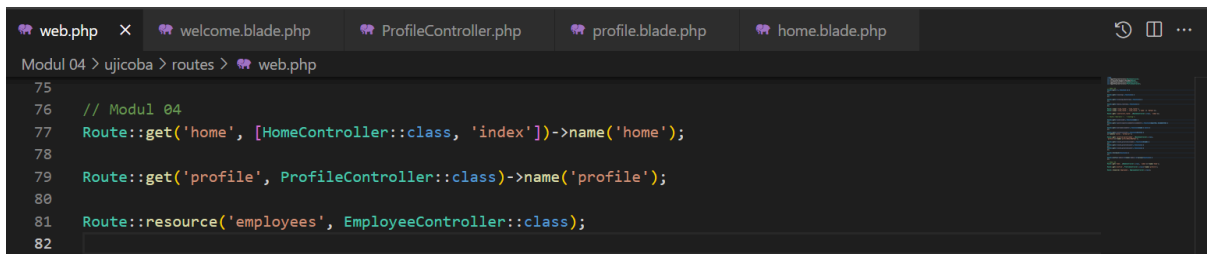
1. Buat sebuah resource controller dengan nama EmployeeController pada cmd, penggunaan resources controller dikarenakan nantinya akan dilakukannya pembawaan data dari halaman satu ke halaman lainnya



```
C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 04\ujicoba>php artisan make:controller EmployeeController --resource
```

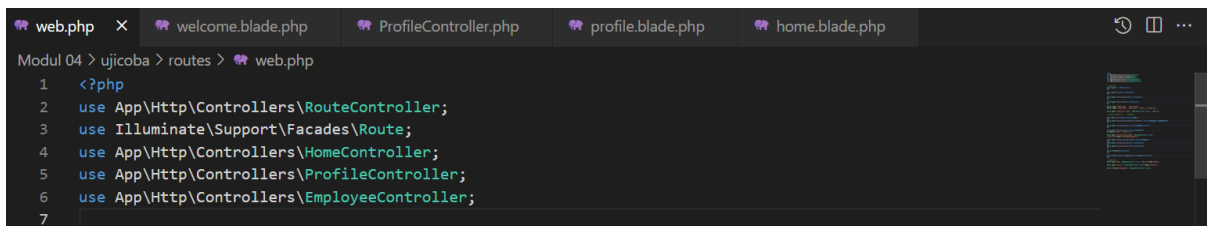
INFO Controller [C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 04\ujicoba\app\Http\Controllers\EmployeeController.php] created successfully.

2. Kemudian buat route resource pada file web.php



```
75 // Modul 04
76 Route::get('home', [HomeController::class, 'index'])->name('home');
77
78 Route::get('profile', ProfileController::class)->name('profile');
79
80 Route::resource('employees', EmployeeController::class);
81
82
```

3. Tambahkan import statement untuk EmployeeController seperti berikut



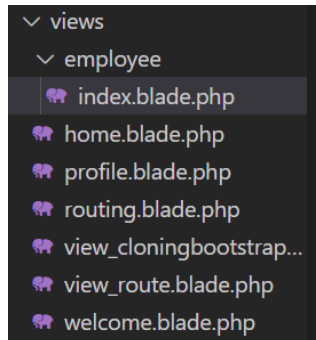
```
1 <?php
2 use App\Http\Controllers\RouteController;
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\HomeController;
5 use App\Http\Controllers\ProfileController;
6 use App\Http\Controllers\EmployeeController;
7
```

4. Pada controller employee bagian function index tambahkan keterangan halaman dan juga view untuk employee



```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7 class EmployeeController extends Controller
8 {
9     /**
10      * Display a listing of the resource.
11      */
12     public function index()
13     {
14         $pageTitle = 'Employee List';
15
16         return view('employee.index', ['pageTitle' => $pageTitle]);
17     }
18 }
19
```

5. Selanjutnya buat sebuah folder employee pada views kemudian buat satu halaman index dengan nama index.blade.php.



Pada halaman employee ini menerapkan index dari list employee, dimana penggunaan index masih bersifat statis atau hanya berdasarkan kode saja datanya tidak terhubung ke database manapun. Selain itu terdapat penggunaan form action untuk melakukan delete/destroy yang dilindungi menggunakan @csrf untuk index yang dipilih. Untuk fitur edit dan create employee masih kosong belum dibuatkan.

```
web.php EmployeeController.php index.blade.php X welcome.blade.php profile.blade.php home.blade.php
body > div.container.mt-4 > div.table-responsive.border.p-3.rounded-3 > table.table.table-bordered.table-hover.table-striped.mb-0.bg-white > tbody > tr > td
29
30     </ul>
31     <hr class="d-lg-none text-white-50">
32     <a href="{{ route('profile') }}" class="btn
33 btn-outline-light my-2 ms-md-auto"><i
34     class="bi-person-circle me-1"></i>
35     My Profile</a>
36
37 </div>
38 </nav>
39 <div class="container mt-4">
40 <div class="row mb-0">
41 <div class="col-lg-9 col-xl-10">
42 <h4 class="mb-3">{{ $pageTitle }}</h4>
43 </div>
44 <div class="col-lg-3 col-xl-2">
45 <div class="d-grid gap-2">
46 <a href="{{ route('employees.create') }}" class="btn
47 btn-primary">Create Employee</a>
48 </div>
49 </div>
50 </div>
51 <hr>
52 <div class="table-responsive border p-3 rounded-3">
53 <table class="table table-bordered table-hover table-striped
54 mb-0 bg-white">
55 <thead>
56 <tr>
57 <th>First Name</th>
58 <th>Last Name</th>
```

```
web.php EmployeeController.php index.blade.php X welcome.blade.php profile.blade.php home.blade.php
body > div.container.mt-4 > div.table-responsive.border.p-3.rounded-3 > table.table.table-bordered.table-hover.table-striped.mb-0.bg-white > tbody > tr > td
58 <th>Email</th>
59 <th>Age</th>
60 <th></th>
61 </tr>
62 </thead>
63 <tbody>
64 <tr>
65 <td>Rafael</td>
66 <td>Fillah</td>
67 <td>testing@gmail.com</td>
68 <td>18</td>
69 <td>
70 <div class="d-flex">
71 <a href="{{ route('employees.show', ['employee' => 1]) }}"
72 class="btn btn-outline-dark btn-sm me-2"><i class="bi-person-lines-fill"></i></a>
73 <a href="{{ route('employees.edit', ['employee' => 1]) }}"
74 class="btn btn-outline-dark btn-sm me-2"><i class="bi-pencil-square"></i></a>
75 <div>
76 <form action="{{ route('employees.destroy', ['employee' => 1]) }}"
77 method="POST">
78 @csrf
79 @method('delete')
80 <button type="submit" class="btn
81 btn-outline-dark btn-sm me-2"><i class="bi-trash"></i></button>
82 </form>
83 </div>
```

```
web.php EmployeeController.php index.blade.php X welcome.blade.php profile.blade.php home.blade.php
body > div.container.mt-4 > div.table-responsive.border.p-3.rounded-3 > table.table.table-bordered.table-hover.table-striped.mb-0.bg-white > tbody > tr > td
84 </div>
85 </td>
86 </tr>
87 <tr>
88 <td>Dava</td>
89 <td>Maulana</td>
90 <td>testing123@gmail.com</td>
91 <td>19</td>
92 <td>
93 <div class="d-flex">
94 <a href="{{ route('employees.show', ['employee' => 2]) }}"
95 class="btn btn-outline-dark btn-sm me-2"><i class="bi-person-lines-fill"></i></a>
96 <a href="{{ route('employees.edit', ['employee' => 2]) }}"
97 class="btn btn-outline-dark btn-sm me-2"><i class="bi-pencil-square"></i></a>
98 <div>
99 <form action="{{ route('employees.destroy', ['employee' => 2]) }}"
100 method="POST">
101 @csrf
102 @method('delete')
103 <button type="submit" class="btn
104 btn-outline-dark btn-sm me-2"><i class="bi-trash"></i></button>
105 </form>
106 </div>
107 </div>
108 </td>
109 </tr>
```

```

web.php EmployeeController.php index.blade.php X welcome.blade.php profile.blade.php home.blade.php
Modul 04 > ujicoba > resources > views > employee > index.blade.php > html > body > div.container.mt-4 > div.table-responsive.border.p-3.rounded-3
110         <tr>
111             <td>Dextara</td>
112             <td>Prospiero</td>
113             <td>testing456@gmail.com</td>
114             <td>20</td>
115             <td>
116                 <div class="d-flex">
117                     <a href="{{ route('employees.show', ['employee' => 3]) }}"
118                         class="btn btn-outline-dark btn-sm me-2"><i class="bi-person-lines-fill"></i></a>
119                     <a href="{{ route('employees.edit', ['employee' => 3]) }}"
120                         class="btn btn-outline-dark btn-sm me-2"><i class="bi-pencil-square"></i></a>
121                     <div>
122                         <form action="{{ route('employees.destroy', ['employee' => 3]) }}"
123                             method="POST">
124                             @csrf
125                             @method('delete')
126                             <button type="submit" class="btn
127                                 btn-outline-dark btn-sm me-2"><i
128                                     class="bi-trash"></i></button>
129                         </form>
130                     </div>
131                 </td>
132             </tr>
133         </tbody>
134     </table>
135 </div>
136 </div>
137 @vite('resources/js/app.js')
138 </body>
139
140 </html>
141

```

6. Route list yang digunakan, untuk route yang digunakan yaitu employees, employees/create, employees/{index}/edit, home, profile.

```

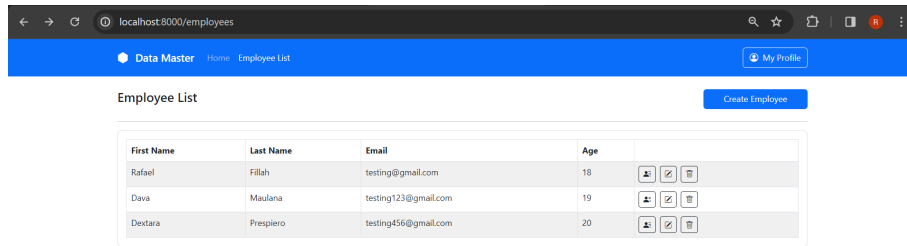
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL GITLENS COMMENTS
GET|HEAD admin/items ..... admin.items
GET|HEAD admin/users ..... admin.users
GET|HEAD api/user .....
GET|HEAD basic_routing .....
GET|HEAD cloning_bootstrap .....
GET|HEAD controller_route ..... RouteController@index
GET|HEAD employees ..... employees.index > EmployeeController@index
POST employees ..... employees.store > EmployeeController@store
GET|HEAD employees/create ..... employees.create > EmployeeController@create
GET|HEAD employees/{employee} ..... employees.show > EmployeeController@show
PUT|PATCH employees/{employee} ..... employees.update > EmployeeController@update
DELETE employees/{employee} ..... employees.destroy > EmployeeController@destroy
GET|HEAD employees/{employee}/edit ..... employees.edit > EmployeeController@edit
GET|HEAD home ..... home > HomeController@index
GET|HEAD posts/{post}/comments/{comment} .....
GET|HEAD profile ..... profile > ProfileController
GET|HEAD profile/{profileId} ..... profileRouteRafael > RouteController@profile
GET|HEAD route_priority/user .....
GET|HEAD route_priority/{rpId} .....
GET|HEAD routing .....
GET|HEAD sanctum/csrf-cookie ..... sanctum.csrf-cookie > Laravel\Sanctum > CsrfCookieController@show
GET|HEAD title/{title} .....
GET|HEAD user/{id} .....
GET|HEAD username/{name?} .....
GET|HEAD view_route .....
GET|HEAD {fallbackPlaceholder} .....










Showing [31] routes

```

8. Pembuktian list route

8.1 /employees



First Name	Last Name	Email	Age	
Rafael	Fillah	testing@gmail.com	18	  
Dava	Maulana	testing123@gmail.com	19	  
Dextara	Prespiro	testing456@gmail.com	20	  

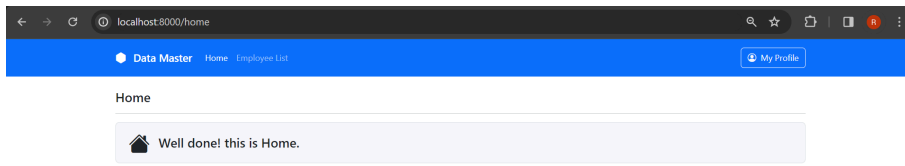
8.2 /employees/create



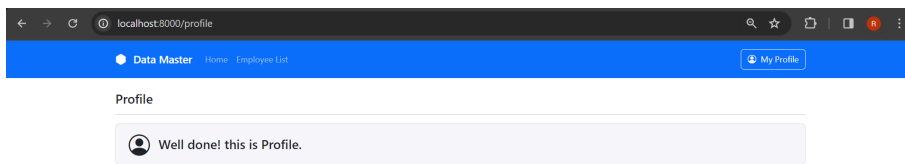
8.3 /employees/{index}/edit



8.4 /home

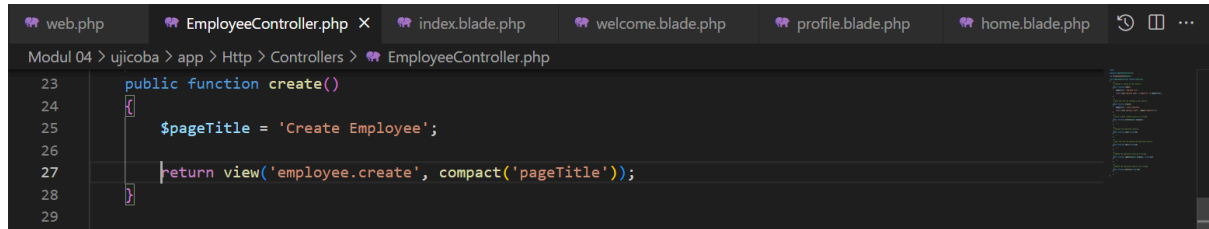


8.5 /profile



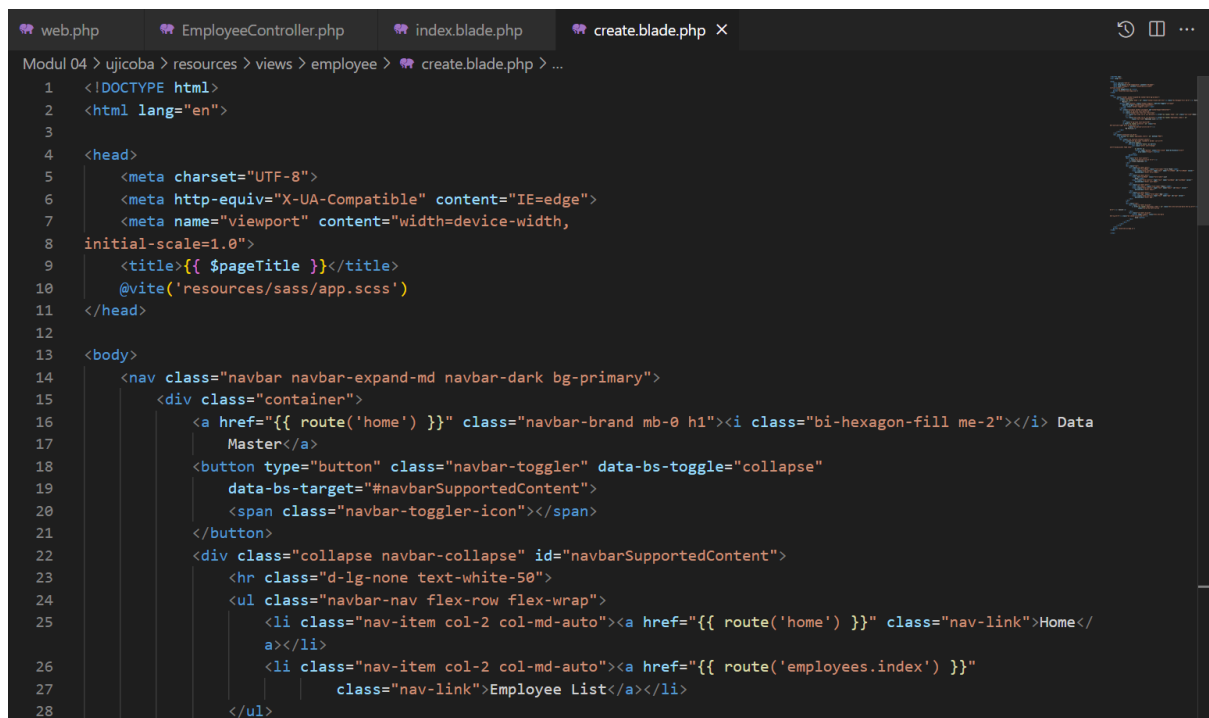
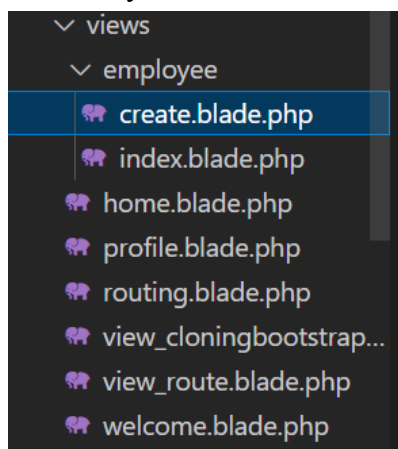
Praktik Halaman Create Employee

1. Pada file EmployeeController bagian function create tambahkan keterangan halaman dan view untuk menampilkan form create employee



```
web.php EmployeeController.php X index.blade.php welcome.blade.php profile.blade.php home.blade.php
Modul 04 > ujicoba > app > Http > Controllers > EmployeeController.php
23 public function create()
24 {
25     $pageTitle = 'Create Employee';
26
27     return view('employee.create', compact('pageTitle'));
28 }
29
```

2. Buat sebuah file create pada folder employee yang lokasinya sama seperti index sebelumnya



```
web.php EmployeeController.php index.blade.php create.blade.php X
Modul 04 > ujicoba > resources > views > employee > create.blade.php > ...
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5     <meta charset="UTF-8">
6     <meta http-equiv="X-UA-Compatible" content="IE=edge">
7     <meta name="viewport" content="width=device-width,
8     initial-scale=1.0">
9     <title>{{ $pageTitle }}</title>
10    @vite('resources/sass/app.scss')
11 </head>
12
13 <body>
14     <nav class="navbar navbar-expand-md navbar-dark bg-primary">
15         <div class="container">
16             <a href="{{ route('home') }}" class="navbar-brand mb-0 h1"><i class="bi-hexagon-fill me-2"></i> Data
17             Master</a>
18             <button type="button" class="navbar-toggler" data-bs-toggle="collapse"
19             data-bs-target="#navbarSupportedContent">
20                 <span class="navbar-toggler-icon"></span>
21             </button>
22             <div class="collapse navbar-collapse" id="navbarSupportedContent">
23                 <hr class="d-lg-none text-white-50">
24                 <ul class="navbar-nav flex-row flex-wrap">
25                     <li class="nav-item col-2 col-md-auto"><a href="{{ route('home') }}" class="nav-link">Home</
26                     a></li>
27                     <li class="nav-item col-2 col-md-auto"><a href="{{ route('employees.index') }}"
28                     class="nav-link">Employee List</a></li>
29                 </ul>
30             </div>
31         </div>
32     </nav>
33
```



```
web.php EmployeeController.php index.blade.php create.blade.php X
Modul 04 > ujjcoba > resources > views > employee > create.blade.php > ...

29         <hr class="d-lg-none text-white-50">
30         <a href="{{ route('profile') }}" class="btn
31 btn-outline-light my-2 ms-md-auto"><i
32         class="bi-person-circle me-1"></i>
33         My Profile</a>
34     </div>
35 </div>
36 </nav>
37 <div class="container-sm mt-5">
38     <form action="{{ route('employees.store') }}" method="POST">
39         @csrf
40         <div class="row justify-content-center">
41             <div class="p-5 bg-light rounded-3 border col-xl-6">
42                 @if ($errors->any())
43                     @foreach ($errors->all() as $error)
44                         <div class="alert alert-danger
45 alert-dismissible fade show">
46                             {{ $error }}
47                             <button type="button" class="btn-close" data-bs-dismiss="alert"
48                                 aria-label="Close"></button>
49                         </div>
50                     @endforeach
51                 @endif
52                 <div class="mb-3 text-center">
53                     <i class="bi-person-circle fs-1"></i>
54                     <h4>Create Employee</h4>
55                 </div>
56                 <hr>
57                 <div class="row">
```

```
web.php EmployeeController.php index.blade.php create.blade.php X
Modul 04 > ujjcoba > resources > views > employee > create.blade.php > ...

58         <div class="col-md-6 mb-3">
59             <label for="firstName" class="form-label">First Name</label>
60             <input class="form-control" type="text" name="firstName" id="firstName" value=""
61                 placeholder="Enter First Name">
62         </div>
63         <div class="col-md-6 mb-3">
64             <label for="lastName" class="form-label">Last
65             Name</label>
66             <input class="form-control" type="text" name="lastName" id="lastName" value=""
67                 placeholder="Enter Last Name">
68         </div>
69         <div class="col-md-6 mb-3">
70             <label for="email" class="form-label">Email</label>
71             <input class="form-control" type="text" name="email" id="email" value=""
72                 placeholder="Enter Email">
73         </div>
74         <div class="col-md-6 mb-3">
75             <label for="age" class="form-label">Age</label>
76             <input class="form-control" type="text" name="age" id="age" value=""
77                 placeholder="Enter Age">
78         </div>
79     </div>
80     <hr>
81     <div class="row">
82         <div class="col-md-6 d-grid">
83             <a href="{{ route('employees.index') }}" class="btn btn-outline-dark btn-lg mt-3"><i
84                 class="bi-arrow-left-circle
85 me-2"></i> Cancel</a>
86         </div>
```

```
web.php EmployeeController.php index.blade.php create.blade.php X
Modul 04 > ujicoba > resources > views > employee > create.blade.php > ...

87         <div class="col-md-6 d-grid">
88             <button type="submit" class="btn btn-dark
89 btn-lg mt-3"><i class="bi-check-circle me-2"></i>
90             Save</button>
91         </div>
92     </div>
93 </div>
94 </div>
95 </form>
96 </div>
97 @vite('resources/js/app.js')
98 </body>
99
100 </html>
101
```

3. Kemudian pada function store di file EmployeeController tambahkan validasi dan message yang akan ditampilkan seperti berikut

```
web.php EmployeeController.php X index.blade.php create.blade.php
Modul 04 > ujicoba > app > Http > Controllers > EmployeeController.php

32  */
33  public function store(Request $request)
34  {
35      $messages = [
36          'required' => ':Attribute harus diisi.',
37          'email' => 'Isi :attribute dengan format yang benar',
38          'numeric' => 'Isi :attribute dengan angka'
39      ];
40      $validator = Validator::make($request->all(), [
41          'firstName' => 'required',
42          'lastName' => 'required',
43          'email' => 'required|email',
44          'age' => 'required|numeric',
45      ], $messages);
46      if ($validator->fails()) {
47          return redirect()->back()->withErrors($validator)->withInput();
48      }
49      return $request->all();
50  }
```

4. Kemudian import statement untuk validatornya pada file EmployeeController dengan cara seperti berikut

```
web.php EmployeeController.php X index.blade.php create.blade.php
Modul 04 > ujicoba > app > Http > Controllers > EmployeeController.php

6  use Illuminate\Support\Facades\Validator;
7
```

5. Penerapan passing data to views, contoh sederhana dari passing data adalah penggunaan judul halaman seperti berikut, dengan penggunaan \$pageTitle yang berasal dari controller kemudian digunakan pada title yang ada pada head sebuah views.

```
13  public function index()
14  {
15      $pageTitle = 'Employee List';
16
17      return view('employee.index', ['pageTitle' => $pageTitle]);
18  }
19

4  <head>
5      <meta charset="UTF-8">
6      <meta http-equiv="X-UA-Compatible" content="IE=edge">
7      <meta name="viewport" content="width=device-width, initial-scale=1.0">
8      <title>{{ $pageTitle }}</title>
9      @vite('resources/sass/app.scss')
10 </head>
```

Contoh lainnya yaitu \$message dari Controller validasi berikut yang kemudian digunakan pada validasi error form yang ada pada halaman create

```

34 public function store(Request $request)
35 {
36     $messages = [
37         'required' => ':Attribute harus diisi.',
38         'email' => 'Isi :attribute dengan format yang benar',
39         'numeric' => 'Isi :attribute dengan angka'
40     ];
41     $validator = Validator::make($request->all(), [
42         'firstName' => 'required',
43         'lastName' => 'required',
44         'email' => 'required|email',
45         'age' => 'required|numeric',
46     ], $messages);
47     if ($validator->fails()) {
48         return redirect()->back()->withErrors($validator)->withInput();
49     }
50     return $request->all();
51 }

```

```

45 <div class="col-md-6 mb-3">
46     <label for="firstName" class="form-label">First Name</label>
47     <input class="form-control @error('firstName') is-invalid @enderror" type="text"
48         name="firstName" id="firstName" value="{{ old('firstName') }}"
49         placeholder="Enter First Name">
50     @error('firstName')
51         <div class="invalid-feedback">
52             {{ $message }}
53         </div>
54     @enderror
55 </div>

```

6. Penerapan csrf protection, penerapan csrf protection digunakan didalam sebuah form untuk mengamankan permintaan method POST, PUT, PATCH, atau DELETE dari form tersebut yang berasal dari domain yang sah.

```

35 <form action="{{ route('employees.store') }}" method="POST">
36     @csrf
37     <div class="row justify-content-center">
38 >         <div class="p-5 bg-light rounded-3 border col-xl-6">...
39         </div>
40     </div>
41 </form>

```

7. Menampilkan validasi error, Dari code yang ada di modul hanya terdapat satu bagian yang kurang yaitu import untuk validatornya. Lalu saya mengubah alert error menjadi seperti is-invalid dan invalid tag input pada bootstrap.

7.1 Source Code Form

```
web.php EmployeeController.php create.blade.php X
html > body > div.container-sm.mt-5 > form > div.row.justify-content-center > div.p-5.bg-light.rounded-3.border.col-xl-6 > div.row > div.col-md-6.mb-3
35 <form action="{{ route('employees.store') }}" method="POST">
36 @csrf
37 <div class="row justify-content-center">
38 <div class="p-5 bg-light rounded-3 border col-xl-6">
39 <div class="mb-3 text-center">
40 <i class="bi-person-circle fs-1"></i>
41 <h4>Create Employee</h4>
42 </div>
43 <hr>
44 <div class="row">
45 <div class="col-md-6 mb-3">
46 <label for="firstName" class="form-label">First Name</label>
47 <input class="form-control @error('firstName') is-invalid @enderror" type="text"
48 name="firstName" id="firstName" value="{{ old('firstName') }}"
49 placeholder="Enter First Name">
50 @error('firstName')
51 <div class="invalid-feedback">
52 {{ $message }}
53 </div>
54 @enderror
55 </div>
56 <div class="col-md-6 mb-3">
57 <label for="lastName" class="form-label">Last Name</label>
58 <input class="form-control @error('lastName') is-invalid @enderror" type="text"
59 name="lastName" id="lastName" value="{{ old('lastName') }}"
60 placeholder="Enter Last Name">
61 @error('lastName')
62 <div class="invalid-feedback">
63 {{ $message }}
```

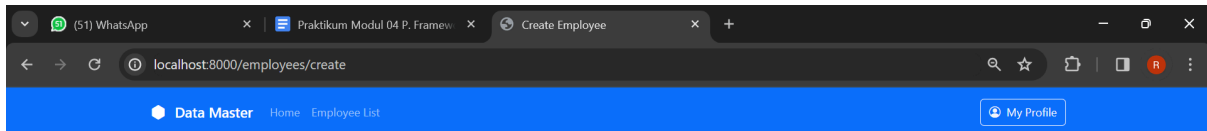
```
web.php EmployeeController.php create.blade.php X
html > body > div.container-sm.mt-5 > form > div.row.justify-content-center > div.p-5.bg-light.rounded-3.border.col-xl-6 > div.row > div.col-md-6.mb-3
64 </div>
65 @enderror
66 </div>
67 <div class="col-md-6 mb-3">
68 <label for="email" class="form-label">Email</label>
69 <input class="form-control @error('email') is-invalid @enderror" type="text"
70 name="email" id="email" value="{{ old('email') }}" placeholder="Enter Email">
71 @error('email')
72 <div class="invalid-feedback">
73 {{ $message }}
74 </div>
75 @enderror
76 </div>
77 <div class="col-md-6 mb-3">
78 <label for="age" class="form-label">Age</label>
79 <input class="form-control @error('age') is-invalid @enderror" type="text"
80 name="age" id="age" value="{{ old('age') }}" placeholder="Enter Age">
81 @error('age')
82 <div class="invalid-feedback">
83 {{ $message }}
84 </div>
85 @enderror
86 </div>
87 </div>
88 <hr>
89 <div class="row">
90 <div class="col-md-6 d-grid">
91 <a href="{{ route('employees.index') }}" class="btn btn-outline-dark btn-lg mt-3"><i
```

```

web.php EmployeeController.php create.blade.php X
html > body > div.container-sm.mt-5 > form > div.row.justify-content-center > div.p-5.bg-light.rounded-3.border.col-xl-6 > div.row > div.col-md-6.mb-3
91 <a href="{{ route('employees.index') }}" class="btn btn-outline-dark btn-lg mt-3"><i
92 class="bi-arrow-left-circle me-2"></i> Cancel</a>
93 </div>
94 <div class="col-md-6 d-grid">
95 <button type="submit" class="btn btn-dark btn-lg mt-3"><i class="bi-check-circle
96 me-2"></i> Save</button>
97 </div>
98 </div>
99 </div>
100 </div>
101 </form>

```

7.2 Tampilan form ketika ada yang tidak valid

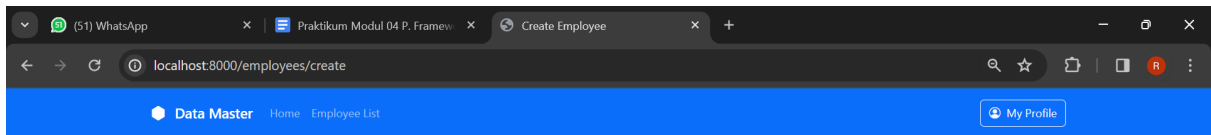


8. Melakukan repopulating form dengan cara menggunakan fitur `{{ old('value') }}` pada laravel pada bagian input value.

```

47 <input class="form-control @error('firstName') is-invalid @enderror" type="text"
48 name="firstName" id="firstName" value="{{ old('firstName') }}"
49 placeholder="Enter First Name">
58 <input class="form-control @error('lastName') is-invalid @enderror" type="text"
59 name="lastName" id="lastName" value="{{ old('lastName') }}"
60 placeholder="Enter Last Name">
69 <input class="form-control @error('email') is-invalid @enderror" type="text"
70 name="email" id="email" value="{{ old('email') }}" placeholder="Enter Email">
79 <input class="form-control @error('age') is-invalid @enderror" type="text"
80 name="age"
id="age" value="{{ old('age') }}" placeholder="Enter Age">

```



Create Employee

First Name

First name harus diisi.

Last Name

Last name harus diisi.

Email

Isi email dengan format yang benar

Age

Isi age dengan angka

Cancel

Save

9. Hasil create employee

