

Advanced Web Programming Routing, Controller, Dan View



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Class

2I

Department

Information Technology

Study Program

D4 Informatics Engineering

1 Routing

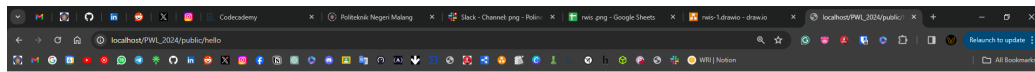
1.1 Basic Routing

a. -

b. -

```
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  /-----
7  / Web Routes
8  /-----
9  /
10 / Here is where you can register web routes for your
   ↳ application. These
11 / routes are loaded by the RouteServiceProvider and all of them
   ↳ will
12 / be assigned to the "web" middleware group. Make something
   ↳ great!
13 /
14 */
15
16 Route::get('/', function () {
17     return view('welcome');
18 });
19
20 Route::get('/hello', function () {
21     return 'Hello World';
22 });
```

C. -



Hello World



a 'Hello World' text appear on the page

d. -

```
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  /-----
7  / Web Routes
8  /-----
9  /
10 / Here is where you can register web routes for your
   ↪ application. These
11 / routes are loaded by the RouteServiceProvider and all of them
   ↪ will
12 / be assigned to the "web" middleware group. Make something
   ↪ great!
13 /
14 */
15
16 Route::get('/', function () {
17     return view('welcome');
18 });
19
20 Route::get('/hello', function () {
21     return 'Hello World';
22 });
23
24 Route::get('/world', function () {
25     return 'World';
26 });
```

e. -



World



only the word 'World' appear on the page

f. -



Welcome



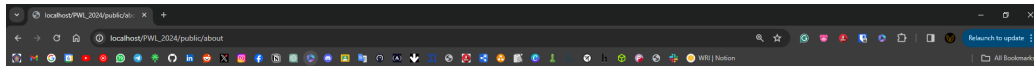
```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4
5 /*
6 /-----
7 / Web Routes
8 /-----
```

```

9  /
10 / Here is where you can register web routes for your
    ↪ application. These
11 / routes are loaded by the RouteServiceProvider and all of them
    ↪ will
12 / be assigned to the "web" middleware group. Make something
    ↪ great!
13 /
14 */
15
16 Route::get('/', function () {
17     // return view('welcome');
18     return 'Welcome';
19 });
20
21 Route::get('/hello', function () {
22     return 'Hello World';
23 });
24
25 Route::get('/world', function () {
26     return 'World';
27 });

```

g. -



2241720145 - Muhammad Baihaqi Aulia Asyari

```

1  <?php
2
3  use Illuminate\Support\Facades\Route;

```

```
4
5  /*
6  /-----
7  / Web Routes
8  /-----
9  /
10 / Here is where you can register web routes for your
    ↪ application. These
11 / routes are loaded by the RouteServiceProvider and all of them
    ↪ will
12 / be assigned to the "web" middleware group. Make something
    ↪ great!
13 /
14 */
15
16 Route::get('/', function () {
17     // return view('welcome');
18     return 'Welcome';
19 });
20
21 Route::get('/hello', function () {
22     return 'Hello World';
23 });
24
25 Route::get('/world', function () {
26     return 'World';
27 });
28
29 Route::get('/about', function () {
30     return '2241720145 - Muhammad Baihaqi Aulia Asyari';
31 });
```

1.2 Route Parameters

a. -

```
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  /-----
7  / Web Routes
8  /-----
9  /
10 / Here is where you can register web routes for your
   ↳ application. These
11 / routes are loaded by the RouteServiceProvider and all of them
   ↳ will
12 / be assigned to the "web" middleware group. Make something
   ↳ great!
13 /
14 */
15
16 Route::get('/', function () {
17     // return view('welcome');
18     return 'Welcome';
19 });
20
21 Route::get('/hello', function () {
22     return 'Hello World';
23 });
24
25 Route::get('/world', function () {
26     return 'World';
27 });
28
29 Route::get('/about', function () {
30     return '2241720145 - Muhammad Baihaqi Aulia Asyari';
31 });
32
33 Route::get('/user/{name}', function ($name) {
34     return 'My name is ' . $name;
35 });
```


b. -

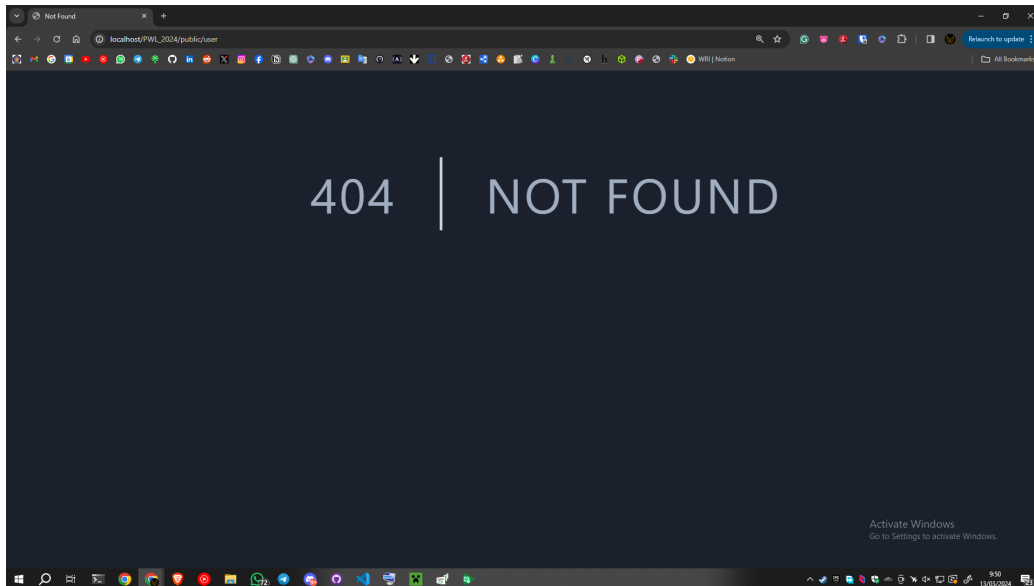


Nama saya yourname



The text has become 'My name is yourname'

c. -



a 404 — Not Found error occur

d. -

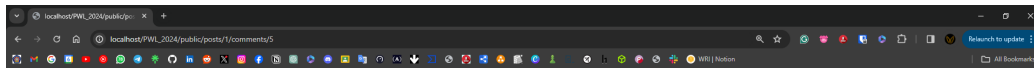
```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4
5 /*
```

```

6  /-----
7  / Web Routes
8  /-----
9  /
10 / Here is where you can register web routes for your
    ↪ application. These
11 / routes are loaded by the RouteServiceProvider and all of them
    ↪ will
12 / be assigned to the "web" middleware group. Make something
    ↪ great!
13 /
14 */
15
16 Route::get('/', function () {
17     // return view('welcome');
18     return 'Welcome';
19 });
20
21 Route::get('/hello', function () {
22     return 'Hello World';
23 });
24
25 Route::get('/world', function () {
26     return 'World';
27 });
28
29 Route::get('/about', function () {
30     return '2241720145 - Muhammad Baihaqi Aulia Asyari';
31 });
32
33 Route::get('/user/{name}', function ($name) {
34     return 'My name is ' . $name;
35 });
36
37 Route::get('/posts/{post}/comments/{comment}', function ($postId,
    ↪ $commentId) {
38     return 'Pos ke-' . $postId . ' komentar ke-:' . $commentId;
39 });

```

e. -



Pos ke-1 komentar ke: 5



The text becomes 'Pos ke-1 komentar ke: 5'

f. -



Article Page with ID 2



```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4
5 /*
6 /-----
7 / Web Routes
8 /-----
```

```

 9  /
10  / Here is where you can register web routes for your
   ↪ application. These
11  / routes are loaded by the RouteServiceProvider and all of them
   ↪ will
12  / be assigned to the "web" middleware group. Make something
   ↪ great!
13  /
14  */
15
16  Route::get('/', function () {
17      // return view('welcome');
18      return 'Welcome';
19  });
20
21  Route::get('/hello', function () {
22      return 'Hello World';
23  });
24
25  Route::get('/world', function () {
26      return 'World';
27  });
28
29  Route::get('/about', function () {
30      return '2241720145 - Muhammad Baihaqi Aulia Asyari';
31  });
32
33  Route::get('/user/{name}', function ($name) {
34      return 'My name is ' . $name;
35  });
36
37  Route::get('/posts/{post}/comments/{comment}', function ($postId,
   ↪ $commentId) {
38      return 'Pos ke-' . $postId . ' komentar ke-: ' . $commentId;
39  });
40
41  Route::get('/articles/{id}', function ($id) {
42      return 'Article Page with ID ' . $id;
43  });

```

1.3 Optional Parameters

a. -

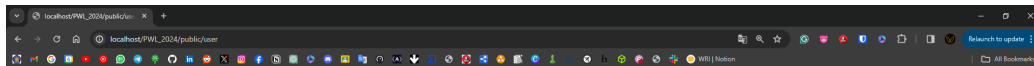
```
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  /-----
7  / Web Routes
8  /-----
9  /
10 / Here is where you can register web routes for your
   ↪ application. These
11 / routes are loaded by the RouteServiceProvider and all of them
   ↪ will
12 / be assigned to the "web" middleware group. Make something
   ↪ great!
13 /
14 */
15
16 Route::get('/', function () {
17     // return view('welcome');
18     return 'Welcome';
19 });
20
21 Route::get('/hello', function () {
22     return 'Hello World';
23 });
24
25 Route::get('/world', function () {
26     return 'World';
27 });
28
29 Route::get('/about', function () {
30     return '2241720145 - Muhammad Baihaqi Aulia Asyari';
31 });
32
33 Route::get('/user/{name?}', function ($name=null) {
34     return 'My name is ' . $name;
35 });
36
```

```

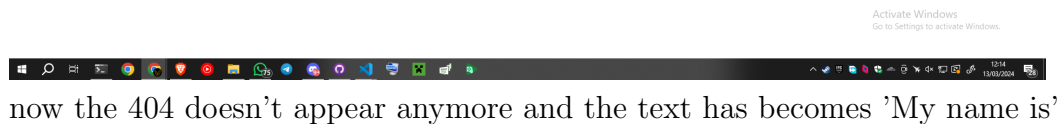
37 Route::get('/posts/{post}/comments/{comment}', function ($postId,
   ↳ $commentId) {
38     return 'Pos ke-' . $postId . ' komentar ke-: ' . $commentId;
39 });
40
41 Route::get('/articles/{id}', function ($id) {
42     return 'Article Page with ID ' . $id;
43 });

```

b. -

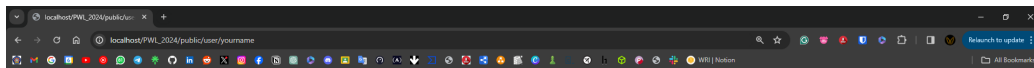


Nama saya



now the 404 doesn't appear anymore and the text has becomes 'My name is'

c. -



Nama saya yourname

the text can still display the parameter which makes the text 'My name is yourname'

d. -

```
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  /-----
7  / Web Routes
8  /-----
9  /
10 / Here is where you can register web routes for your
    ↪ application. These
11 / routes are loaded by the RouteServiceProvider and all of them
    ↪ will
12 / be assigned to the "web" middleware group. Make something
    ↪ great!
13 /
14 */
15
16 Route::get('/', function () {
17     // return view('welcome');
18     return 'Welcome';
19 });
20
21 Route::get('/hello', function () {
22     return 'Hello World';
23 });
24
25 Route::get('/world', function () {
26     return 'World';
27 });
28
29 Route::get('/about', function () {
30     return '2241720145 - Muhammad Baihaqi Aulia Asyari';
31 });
32
33 Route::get('/user/{name?}', function ($name='John') {
34     return 'Nama saya ' . $name;
35 });
```

```
36
37 Route::get('/posts/{post}/comments/{comment}', function ($postId,
    ↪ $commentId) {
38     return 'Pos ke-' . $postId . ' komentar ke-' . $commentId;
39 });
40
41 Route::get('/articles/{id}', function ($id) {
42     return 'Article Page with ID ' . $id;
43 });
```

- e. now the default name is John and somehow the language change from english to indonesian

2 Controller

2.1 Creating Controller

- a. -

```
1 PS C:\laragon\www\PWL_2024> php artisan make:controller
    ↪ WelcomeController
2
3 INFO Controller
    ↪ [C:\laragon\www\PWL_2024\app\Http\Controllers\WelcomeController.php]
    ↪ created successfully.
```