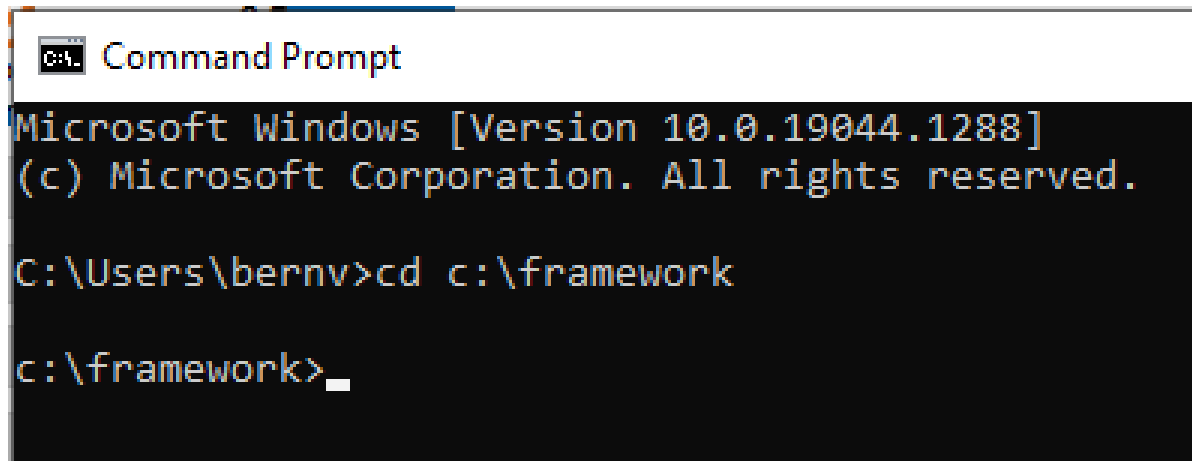


Modul 1

Persiapan – Install – Jalankan – Modifikasi

Persiapan Instalasi (1)

- Install paket Apache, PHP, MySQL, PHPMyAdmin (XAMPP, LAMP)
- Buat folder project di :
 - C:\framework
- Akses folder diatas melalui command prompt



```
Command Prompt
Microsoft Windows [Version 10.0.19044.1288]
(c) Microsoft Corporation. All rights reserved.

C:\Users\bernv>cd c:\framework

c:\framework>_
```

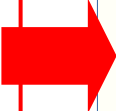
Persiapan Instalasi (2)

Install Composer

- Akses url: <https://getcomposer.org/download/>

Download Composer Latest: v2.4.4

To quickly install Composer in the current directory, run the following script in your terminal. To automate the installation, use [the guide on installing Composer programmatically](#).



```
php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"
php -r "if (hash_file('sha384', 'composer-setup.php') === '55ce33d7678c5a611085589f1f3dddf8b3c52d662cd
php composer-setup.php
php -r "unlink('composer-setup.php');"
```

- Copy setiap baris, lakukan edit perintah 'php' menggunakan notepad menjadi : php → c:\xampp\php\php, contoh:
 - `c:\xampp\php\php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"`
- Kemudian Paste ke command prompt, tekan ENTER
- Lakukan untuk semua baris perintah diatas

Persiapan Instalasi (3)

- Tampilan instalasi composer

```
c:\framework>c:\xampp\php\php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"

c:\framework>c:\xampp\php\php -r "if (hash_file('sha384', 'composer-setup.php') === '55ce33d7678c5a611085589f1f3ddf8b3c52d662cd01d4ba75c0ee0459970c2200a51f492d557530c71c15d8dba01eae') { echo 'Installer verified'; } else { echo 'Installer corrupt'; unlink('composer-setup.php'); } echo PHP_EOL;"
Installer verified

c:\framework>c:\xampp\php\php composer-setup.php
All settings correct for using Composer
Downloading...

Composer (version 2.4.2) successfully installed to: C:\framework\composer.phar
Use it: php composer.phar

c:\framework>c:\xampp\php\php -r "unlink('composer-setup.php');"

c:\framework>_
```

- Cara menggunakan composer

php composer.phar

-- atau --

c:\xampp\php\php composer.phar

Install laravel

- Buat Laravel project via the Composer create-project command:

c:\xampp\php\php composer.phar create-project laravel/laravel perpus

```
c:\framework>c:\xampp\php\php composer.phar create-project laravel/laravel perpus
Creating a "laravel/laravel" project at "../perpus"
Info from https://repo.packagist.org: #StandWithUkraine
Cannot use laravel/laravel's latest version v9.3.7 as it requires php ^8.0.2 which is not satisfied by your platform.
Installing laravel/laravel (v8.6.12)
- Downloading laravel/laravel (v8.6.12)
- Installing laravel/laravel (v8.6.12): Extracting archive
Created project in C:\framework\perpus
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 106 installs, 0 updates, 0 removals
- Locking asm89/stack-cors (v2.1.1)
- Locking brick/math (0.9.3)
- Locking dflydev/dot-access-data (v3.0.1)
- Locking doctrine/inflector (2.0.5)
- Locking doctrine/instantiator (1.4.1)
- Locking doctrine/lexer (1.2.3)
```

Struktur direktori laravel


This PC > Local Disk (C:) > framework > perpus				
	Name	Date modified	Type	Size
ss	app	14/09/2022 8:12	File folder	
ls	bootstrap	14/09/2022 8:12	File folder	
its	config	14/09/2022 8:12	File folder	
	database	14/09/2022 8:12	File folder	
	public	14/09/2022 8:12	File folder	
	resources	14/09/2022 8:12	File folder	
	routes	14/09/2022 8:12	File folder	
	storage	14/09/2022 8:12	File folder	
	tests	14/09/2022 8:12	File folder	
	vendor	14/09/2022 8:15	File folder	
ts	.editorconfig	14/09/2022 8:12	Editor Config Sour...	1 KB
	.env	14/09/2022 8:15	ENV File	1 KB
	.env.example	14/09/2022 8:12	EXAMPLE File	1 KB
its	.gitattributes	14/09/2022 8:12	Git Attributes Sour...	1 KB
ls	.gitignore	14/09/2022 8:12	Git Ignore Source ...	1 KB
	.styleci	14/09/2022 8:12	Yaml Source File	1 KB
	artisan	14/09/2022 8:12	File	2 KB
	composer	14/09/2022 8:12	JSON Source File	2 KB
c (C:)	composer.lock	14/09/2022 8:12	LOCK File	276 KB
(D:) Virtua	package	14/09/2022 8:12	JSON Source File	1 KB
	phpunit	14/09/2022 8:12	XML Document	2 KB
	README	14/09/2022 8:12	Markdown Source...	4 KB
	server	14/09/2022 8:12	PHP Source File	1 KB

Konfigurasi APP_URL (.env)

- buka file **.env** di folder C:\framework\perpus\.env
- Tentukan nama URL Aplikasi (APP_URL) sbb:

⚙ .env

```
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:0rPkWC7d2RFE8R6bXn+aZqzwzCBJlKYkwYtg2w5sI8A=
4 APP_DEBUG=true
5 APP_URL=http://localhost:8000
6
```

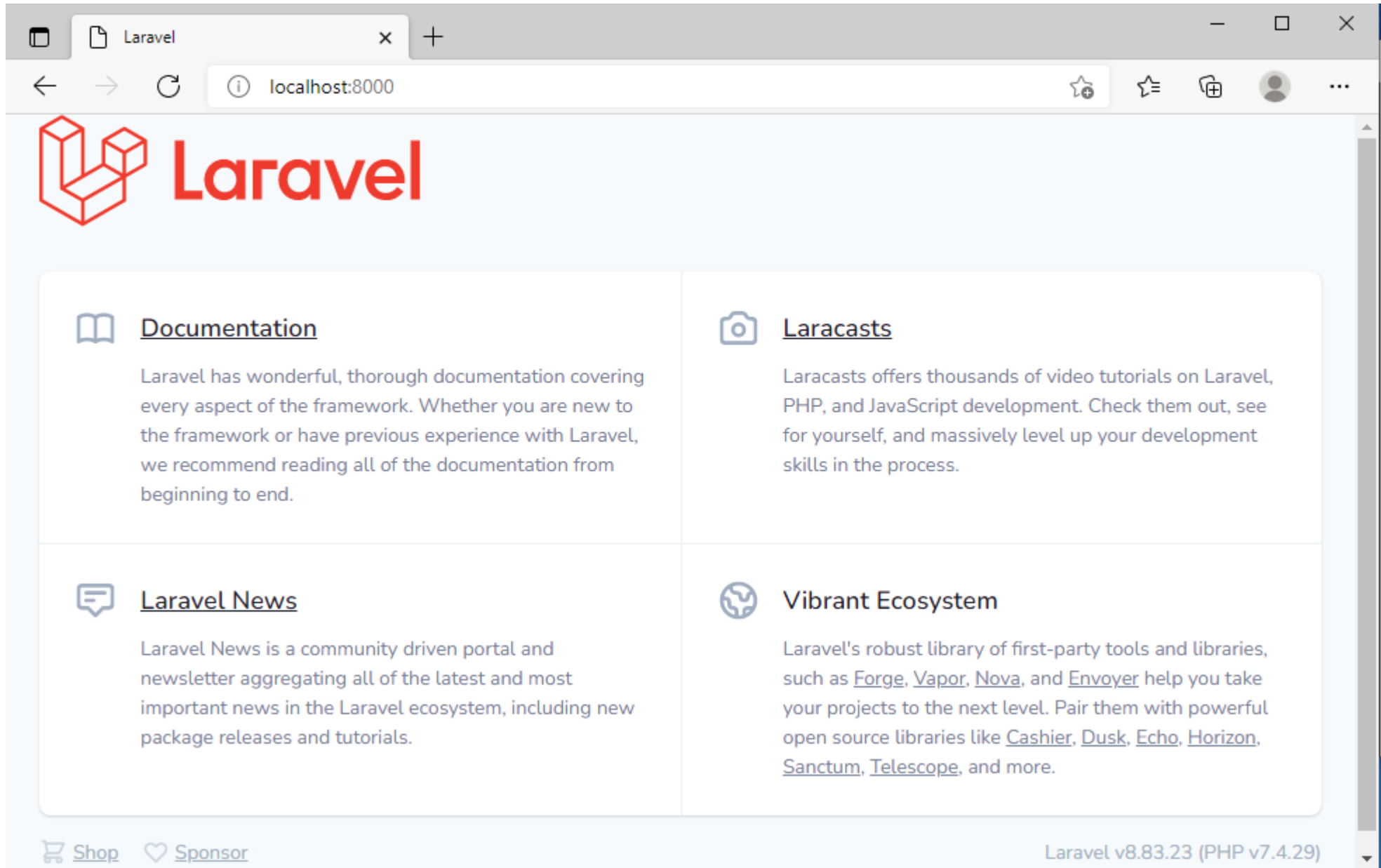


Jalankan Laravel

- Masuk ke folder “perpus”
- Jalankan server menggunakan perintah berikut:
 - `c:\xampp\php\php artisan serve`
- Akses web melalui alamat:
 - `http://localhost:8000`

```
c:\framework>cd perpus  
  
c:\framework\perpus>c:\xampp\php\php artisan serve  
Starting Laravel development server: http://127.0.0.1:8000  
[Wed Sep 14 08:27:19 2022] PHP 7.4.29 Development Server (http://127.0.0.1:8000) started  
[Wed Sep 14 08:27:55 2022] 127.0.0.1:62457 Accepted  
[Wed Sep 14 08:27:55 2022] 127.0.0.1:53225 Accepted  
[Wed Sep 14 08:27:56 2022] 127.0.0.1:62457 Closing  
[Wed Sep 14 08:27:56 2022] 127.0.0.1:50505 Accepted  
[Wed Sep 14 08:27:57 2022] 127.0.0.1:53225 [200]: GET /favicon.ico  
[Wed Sep 14 08:27:57 2022] 127.0.0.1:53225 Closing
```


Tampilan Laravel



Modifikasi View welcome

- Buka file **welcome.blade.php** yang ada di folder:
 - C:\framework\perpus\resources\views\welcome.blade.php
- Lakukan edit pada isi file dengan menambahkan kode berikut pada baris 47 setelah `</div>`

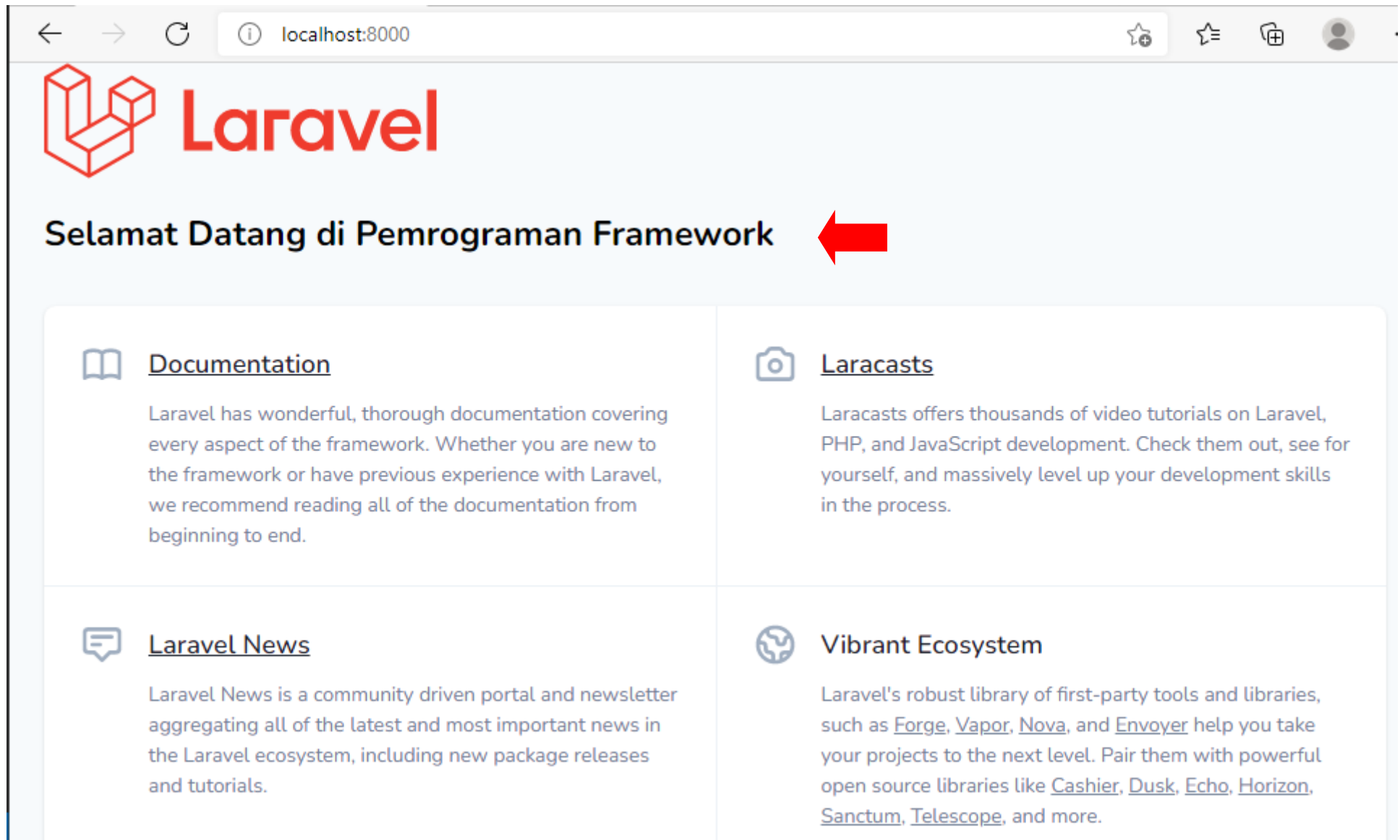
```
<div>
```

- ```
 <h2>Selamat Datang di Pemrograman Framework</h2>
```

```
</div>
```

- Simpan file
- Refresh halaman web laravel dan lihat perubahan yang terjadi.

# Hasil perubahan



# Modifikasi Route '/'

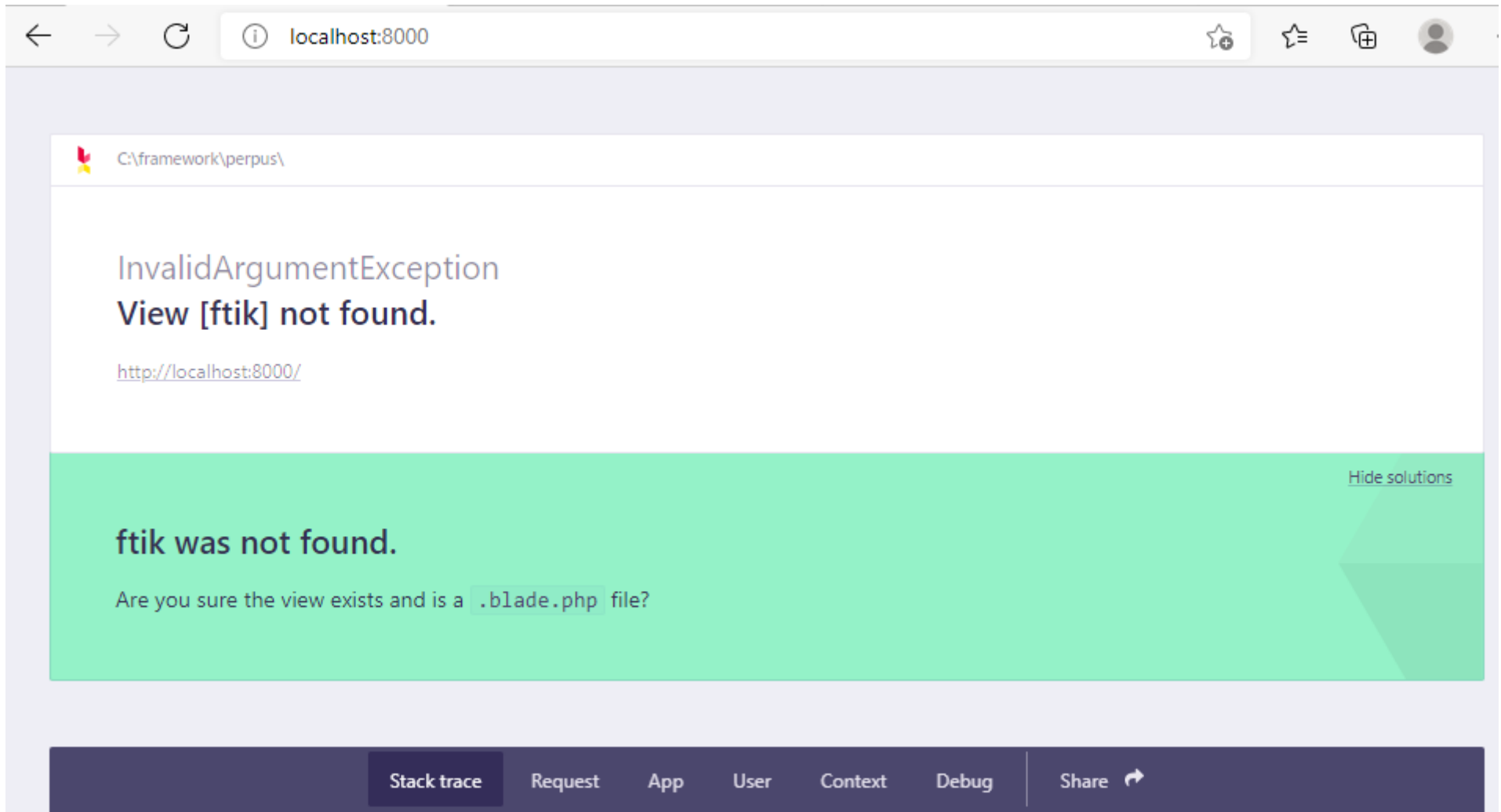
- Buka file **web.php** yang ada di folder:
  - C:\framework\perpus\routes\web.php
- Lakukan edit pada isi file: welcome → ftik sbb:

```
15
16 Route::get('/', function () {
17 return view('welcome');
18 });
19
```

```
15
16 Route::get('/', function () {
17 return view('ftik');
18 });
19
```

- Simpan file
- Refresh halaman web laravel dan lihat perubahan yang terjadi. (*muncul error*)

# Hasil perubahan



# Buat File View 'ftik'

- Buat file view **ftik.blade.php** pada folder:
  - C:\framework\perpus\resources\views\ftik.blade.php
- Lakukan edit pada isi file sbb:

```
<!DOCTYPE html>
<html>
 <head>
 <title>Fakultas TIK</title>
 </head>
 <body>
 <h1>Selamat Datang di Fakultas TIK</h1>
 </body>
</html>
```

- Simpan file
- Refresh halaman web laravel dan lihat perubahan yang terjadi.

# Hasil perubahan



# Buat File View 'info'

- Buat file view **info.blade.php** pada folder:
  - C:\framework\perpus\resources\views\info.blade.php
- Lakukan edit pada isi file dan simpan.


```
1 <!DOCTYPE html>
2 <html>
3 <head> <title>Info Mahasiswa</title> </head>
4 <body>
5 <h1>Saya adalah mahasiswa Program Studi:
6 <?php
7 if($progdi=="TI")
8 echo "Tekhnik Informatika";
9 elseif($progdi=="SI")
10 echo "Sistem Informasi";
11 elseif($progdi=="IK")
12 echo "Ilmu Komunikasi";
13 else
14 echo "Tidak ada progdi tersebut di fakultas TIK";
15 ?>
16 </h1>
17 </body>
18 </html>
```



# Tambah Route '/info'

- Buka file **web.php** yang ada di folder:
  - C:\framework\perpus\routes\web.php
- Lakukan edit pada isi file sbb:

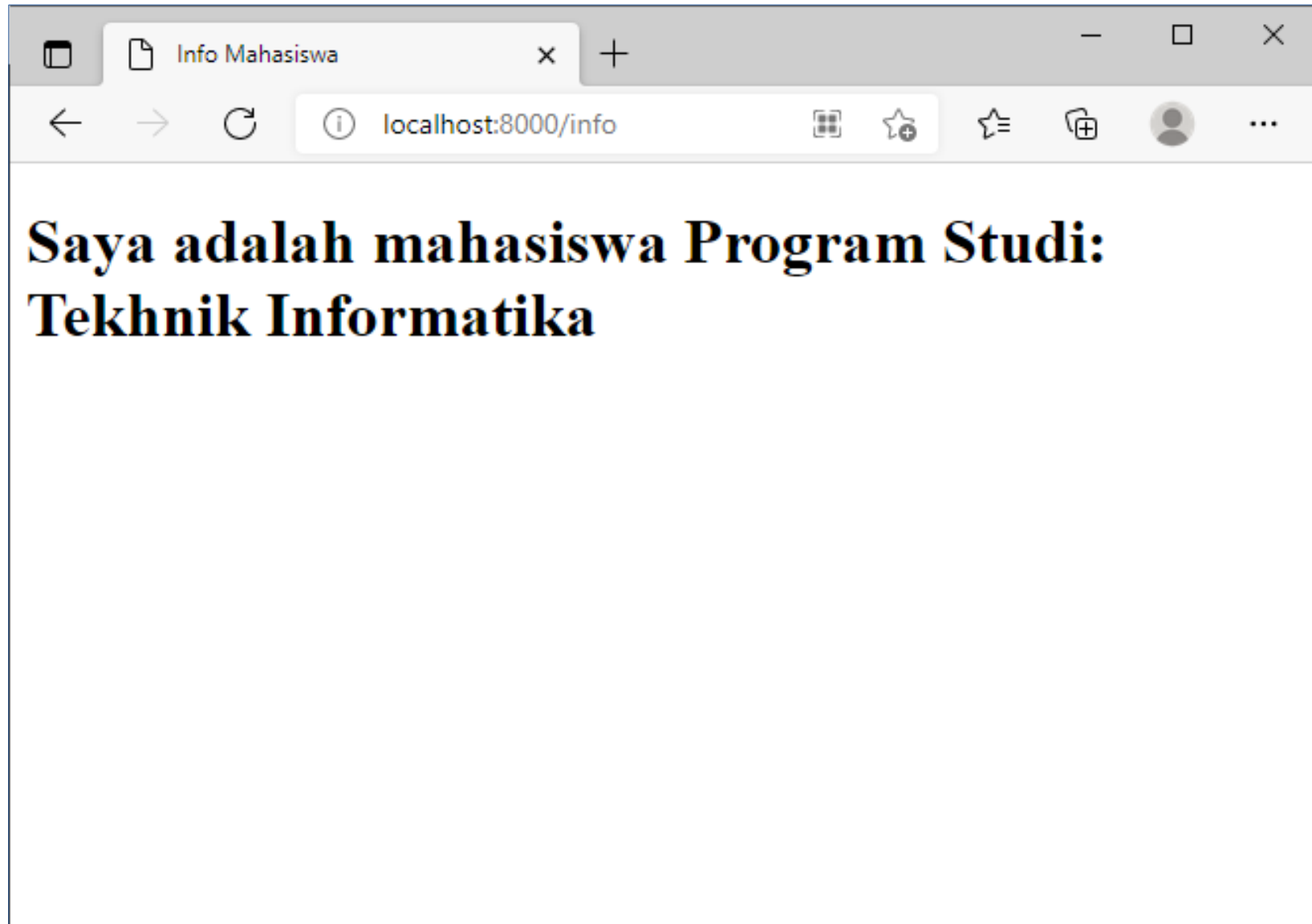
```
15
16 Route::get('/', function () {
17 return view('ftik');
18 });
19 Route::get('/info', function () {
20 return view('info', ['progdi'=>'TI']);
21 });
```



- Simpan file
- Akses halaman web melalui url

<http://localhost:8000/info>

# Tampilan



# Akses view info melalui Controller (1)

- Buat file controller **InfoController.php** menggunakan artisan:

```
PS C:\framework\perpus> C:\xampp\php\php artisan make:controller infoController
Controller created successfully.
PS C:\framework\perpus> █
```

Hasil generate menggunakan artisan:

```
app > Http > Controllers > infoController.php
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7 class infoController extends Controller
8 {
9 //
10 }
11
```

# Akses view info melalui Controller (2)


- Lakukan edit pada file **InfoController.php**, lalu simpan:
  - C:\framework\perpus\app\Http\Controllers\InfoController.php

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Http\Controllers\Controller;
6
7 class InfoController extends Controller
8 {
9 public function infoMhs($kd)
10 {
11 return view('info',['progdi'=>$kd]);
12 }
13 }
```

# Tambah Route '/info/{kd}'

- Buka file **web.php** yang ada di folder:
  - C:\framework\perpus\routes\web.php
- Lakukan edit pada isi file sbb:

```
16 Route::get('/', function () {
17 return view('ftik');
18 });
19 Route::get('/info', function () {
20 return view('info',['progdi'=>'TI']);
21 });
22
23 use App\Http\Controllers\InfoController;
24 Route::get('/info/{kd}', [InfoController::class, 'infoMhs']);
```



- Simpan file

# Tampilan

- Akses halaman web melalui url:
  - <http://localhost:8000/info/{kd}>
  - kd diisi : TI, SI, IK

