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1. Syntax membuat file laravel

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.2965]
(c) Microsoft Corporation. All rights reserved.

D:\LAB-PW>composer create-project laravel/laravel Quiz-3
```

Create project berhasil

```
82 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi --force

   INFO  No publishable resources for tag [laravel-assets].

No security vulnerability advisories found
> @php artisan key:generate --ansi

   INFO  Application key set successfully.
```

Running Project

```
D:\LAB-PW\Quiz-3>php artisan serve

   INFO  Server running on [http://127.0.0.1:8000].

   Press Ctrl+C to stop the server
```
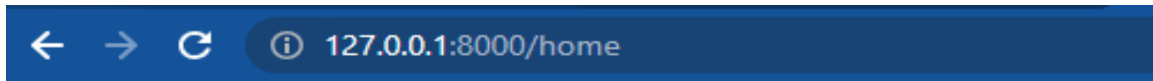
2. Buat Route dan View Pada Halaman
   Route

```
20    Route::get('/home', function () {
21        return view('home');
22    });
23
24    Route::get('/daftarmahasiswa', function () {
25        return view('daftarmahasiswa');
26    });
27
28    Route::get('/profile', function () {
29        return view('profile');
30    });
```

/home

Ini Home Page

/daftarmahasiswa

Ini Daftar Mahasiswa

/profile

Ini Profile

3. Buat layout yang berisi header/navbar dan footer untuk semua halaman dengan blade

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Document</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet"
    integrity="sha384-9ndCyUaIbzAi2FUVXJi0CjmCapSmO7SnpJef0486qhLnuZ2cdeRhO02iuK6FUUVM" crossorigin="anonymous">
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"
integrity="sha384-geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68SIy3Te4Bkz" crossorigin="anonymous"></script>
</head>
<body>
    <nav class="navbar navbar-expand-lg bg-body-tertiary">
        <div class="container-fluid">
          <a class="navbar-brand" href="#">Navbar</a>
          <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav"
          aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
          </button>
          <div class="collapse navbar-collapse" id="navbarNav">
            <ul class="navbar-nav">
              <li class="nav-item">
                <a class="nav-link active" aria-current="page" href="#">Home</a>
              </li>
              <li class="nav-item">
                <a class="nav-link" href="#">Features</a>
              </li>
              <li class="nav-item">
                <a class="nav-link" href="#">Pricing</a>
              </li>
              <li class="nav-item">
```
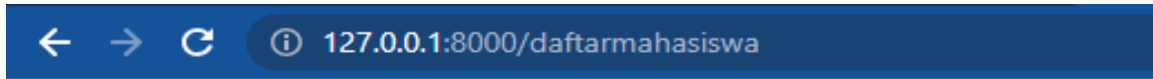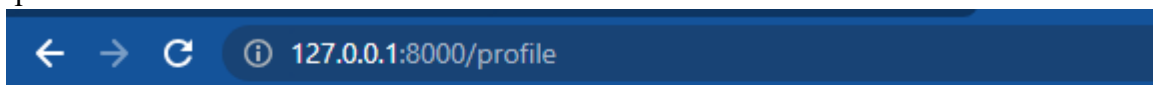
```
31                      <a class="nav-link disabled">Disabled</a>
32                  </li>
33              </ul>
34          </div>
35      </div>
36  </nav>
37  <p> Lorem ipsum dolor sit amet consectetur adipisicing elit. Debitis, autem. Explicabo, eos est necessitatibus aperiam
    excepturi cum animi nisi cumque quidem tenetur impedit aliquam tempora officiis qui corporis perspiciatis expedita?
    Lorem, ipsum dolor sit amet consectetur adipisicing elit. Quos asperiores blanditiis cupiditate, perferendis, totam id
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    provident eius similique suscipit id reiciendis cumque laudantium distinctio natus ducimus minima velit sunt.</p>
38  <p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Repellendus, veniam? Nisi rem quaerat ipsa, debitis soluta
    eaque cum iusto quam, cumque architecto laboriosam minima beatae iste, inventore molestiae minus reprehenderit!</p>
39  <p>
40  Lorem ipsum dolor sit, amet consectetur adipisicing elit. Incidunt asperiores doloribus ratione? Quaerat eum ea quas est
    corrupti, rerum ab aliquam fuga quibusdam facilis repellendus deleniti, quisquam sequi, labore hic.
41  </p>
42  <p>Lorem ipsum dolor, sit amet consectetur adipisicing elit. Minus ipsam, tenetur sed qui quod fugiat provident quia
    rerum. Molestiae soluta, quis accusantium maxime iusto porro odit aperiam dolorum consequuntur eaque.</p>
43  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Officia vero, facilis repellat, laboriosam totam earum
    sapiente modi quibusdam voluptatum cupiditate voluptates at tenetur tempore esse mollitia ab dolorem, obcaecati officiis?
    </p>
44  <p>Lorem ipsum dolor, sit amet consectetur adipisicing elit. Illum harum delectus eaque eligendi voluptatum ipsam
    praesentium dolores, quod sint cum animi maxime ullam at itaque quis quo, dicta molestiae eius.</p>
45  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Odio eligendi recusandae voluptatibus fugit atque quaerat
    animi nihil obcaecati, dolore nisi iste, nulla veritatis, placeat deserunt consectetur quia. Quo, hic reprehenderit?</p>
46  <footer>
47      <div class="card">
48          <h6 class="card-header text-center">@copyright by fawaz</h6>
49          <div class="card-body">
50              <h5 class="card-title">Special title treatment</h5>
51              <p class="card-text">With supporting text below as a natural lead-in to additional content.</p>
```

```
46  <footer>
47      <div class="card">
48          <h6 class="card-header text-center">@copyright by fawaz</h6>
49          <div class="card-body">
50              <h5 class="card-title">Special title treatment</h5>
51              <p class="card-text">With supporting text below as a natural lead-in to additional content.</p>
52              <a href="#" class="btn btn-primary">Go somewhere</a>
53          </div>
54      </div>
55      </footer>
56  </body>
57  </html>
```
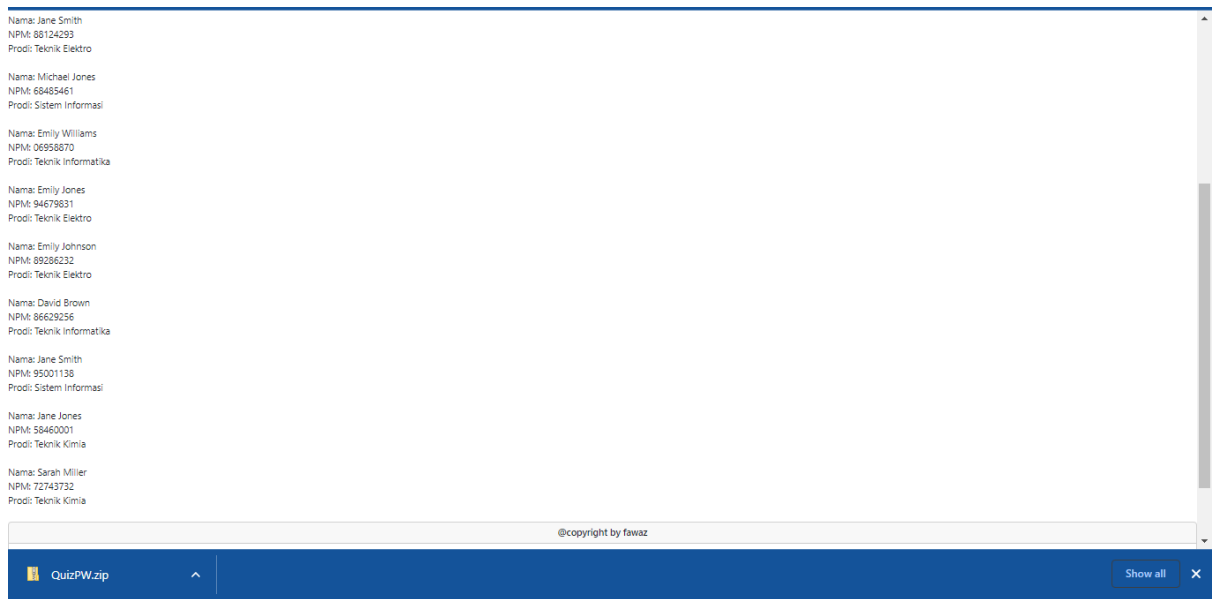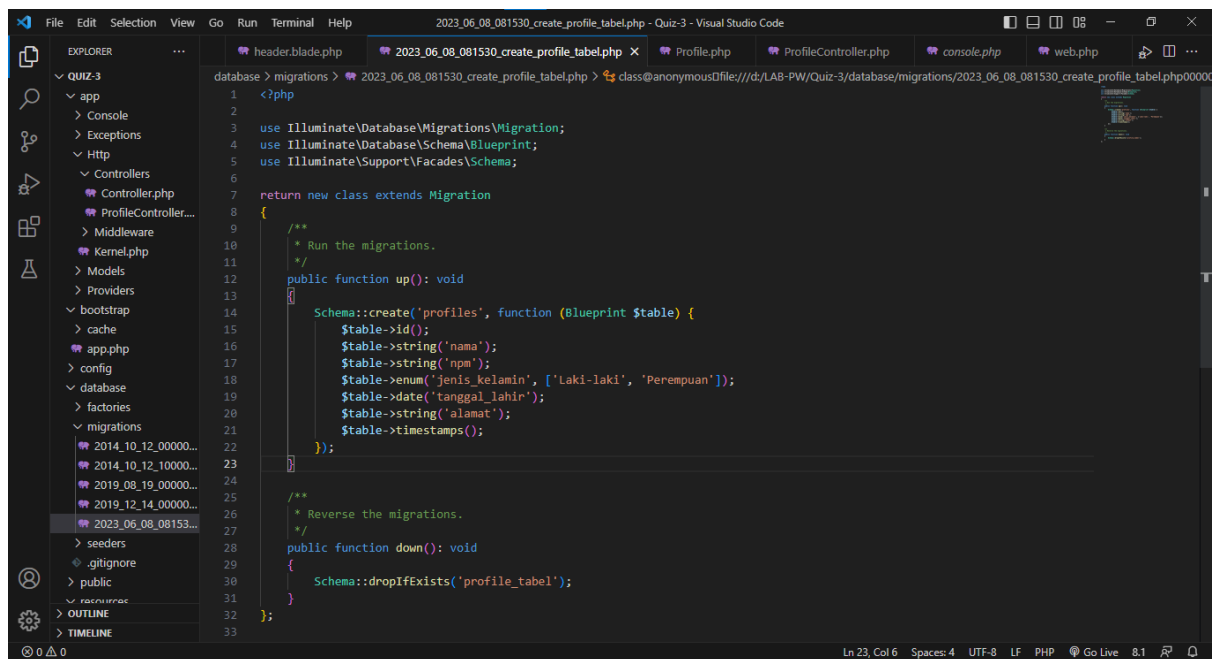
127.0.0.1:8000/header#

Navbar Home Features Pricing Disabled

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@copyright by fawaz

4. Buat Perulangan untuk halaman daftarmahasiswa dari data dummy yang berisi nama, npm, dan prodi

```php
// Fungsi untuk menghasilkan nama acak
function generateRandomName() {
  $names = ['John', 'Jane', 'Michael', 'Emily', 'David', 'Sarah'];
  $lastNames = ['Smith', 'Johnson', 'Williams', 'Brown', 'Jones', 'Miller'];

  $randomFirstName = $names[array_rand($names)];
  $randomLastName = $lastNames[array_rand($lastNames)];

  return $randomFirstName . ' ' . $randomLastName;
}

// Fungsi untuk menghasilkan NPM acak
function generateRandomNPM() {
  $npm = '';

  for ($i = 0; $i < 8; $i++) {
    $npm .= mt_rand(0, 9);
  }

  return $npm;
}

// Fungsi untuk menghasilkan prodi acak
function generateRandomProdi() {
  $prodi = ['Teknik Informatika', 'Sistem Informasi', 'Teknik Elektro', 'Teknik Kimia'];
  return $prodi[array_rand($prodi)];
}
```

```php
// Fungsi untuk menghasilkan prodi acak
function generateRandomProdi() {
  $prodi = ['Teknik Informatika', 'Sistem Informasi', 'Teknik Elektro', 'Teknik Kimia'];
  return $prodi[array_rand($prodi)];
}

// Jumlah data dummy yang ingin dibuat
$jumlahData = 10;

// Array untuk menyimpan data dummy
$dataDummy = [];

// Generate data dummy
for ($i = 0; $i < $jumlahData; $i++) {
  $nama = generateRandomName();
  $npm = generateRandomNPM();
  $prodi = generateRandomProdi();

  $dataDummy[] = [
    'nama' => $nama,
    'npm' => $npm,
    'prodi' => $prodi
  ];
}

// Tampilkan data dummy
foreach ($dataDummy as $data) {
  echo "Nama: " . $data['nama'] . "<br>";
  echo "NPM: " . $data['npm'] . "<br>";
  echo "Prodi: " . $data['prodi'] . "<br>";
  echo "<br>";
}
```
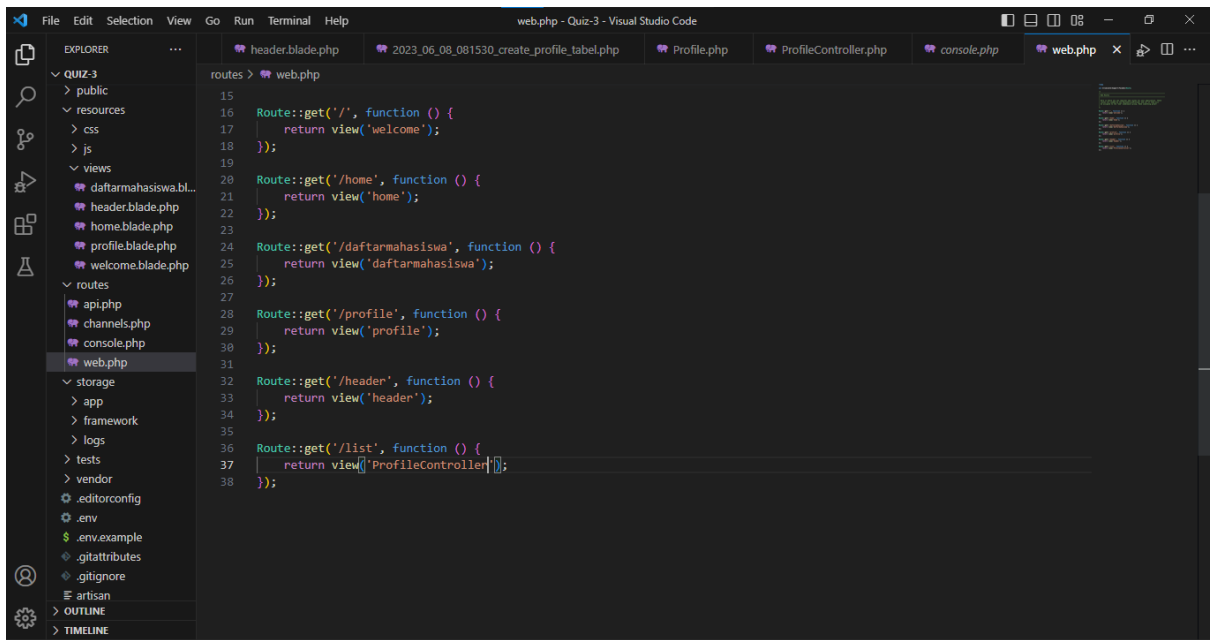
5. Buat model dan database profle yang berisi nama, npm, jenis, kelamin, tanggal lahir, dan alamat yang ditampilkan pada halaman proifile

Profile.php — `app > Models > Profile.php > App\Models\Profile`

```php
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class Profile extends Model
{
    use HasFactory;

    protected $fillable = ['nama', 'npm', 'jenis_kelamin', 'tanggal_lahir', 'alamat'];

    protected $dates = ['tanggal_lahir'];
}
```

ProfileController.php — `app > Http > Controllers > ProfileController.php > App\Http\Controllers\ProfileController`

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\Models\Profile;

class ProfileController extends Controller
{
    public function index()
    {
        $profiles = Profile::all();

        return view('daftarmahasiswa', compact('profiles'));
    }
}
```

Screenshoot Jam