

ORM

Fakultas

Jurusan

Mahasiswa

Fakultas



Jurusan

Mahasiswa

Fakultas

one to many

Jurusan

Mahasiswa

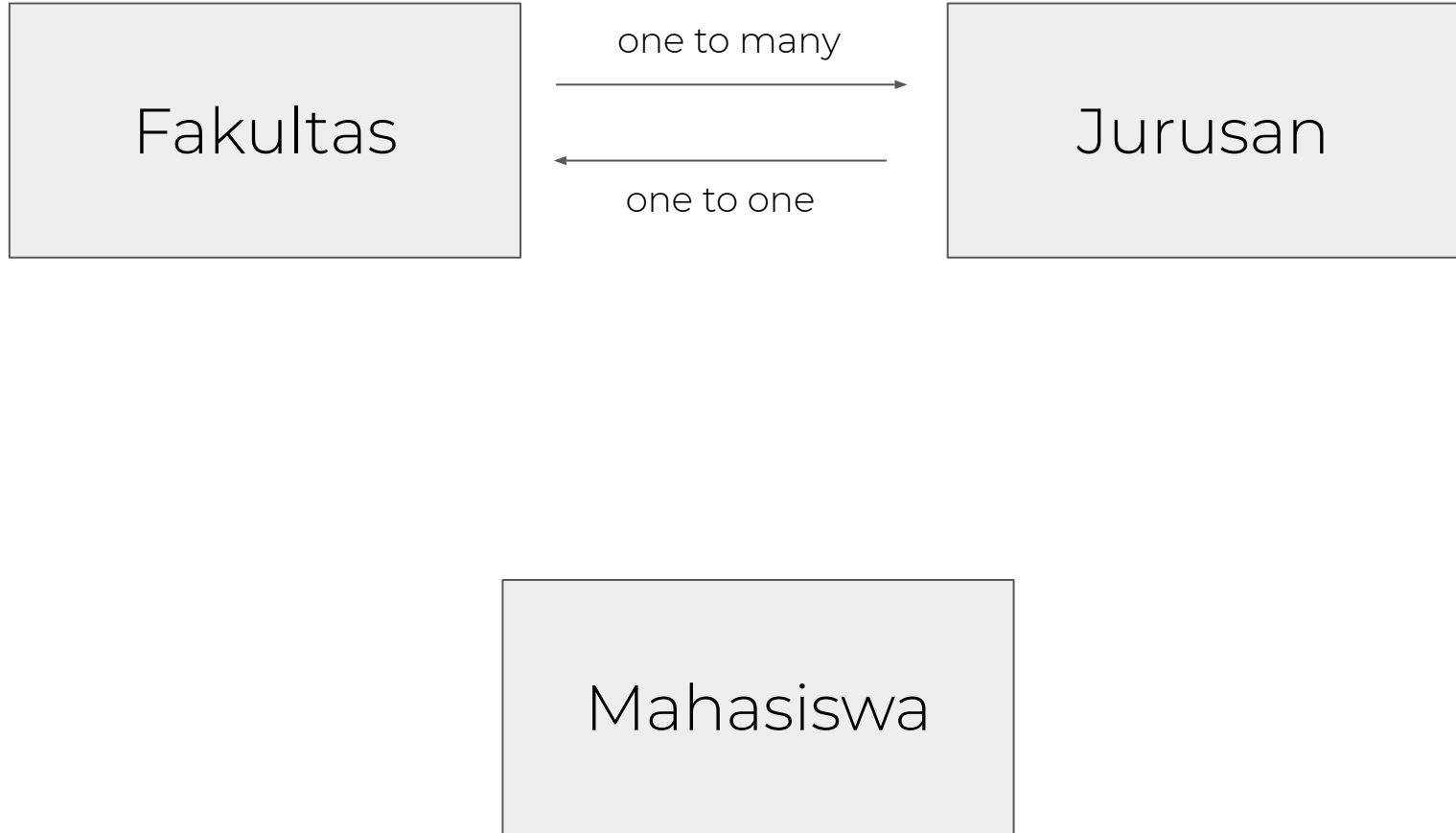
Fakultas

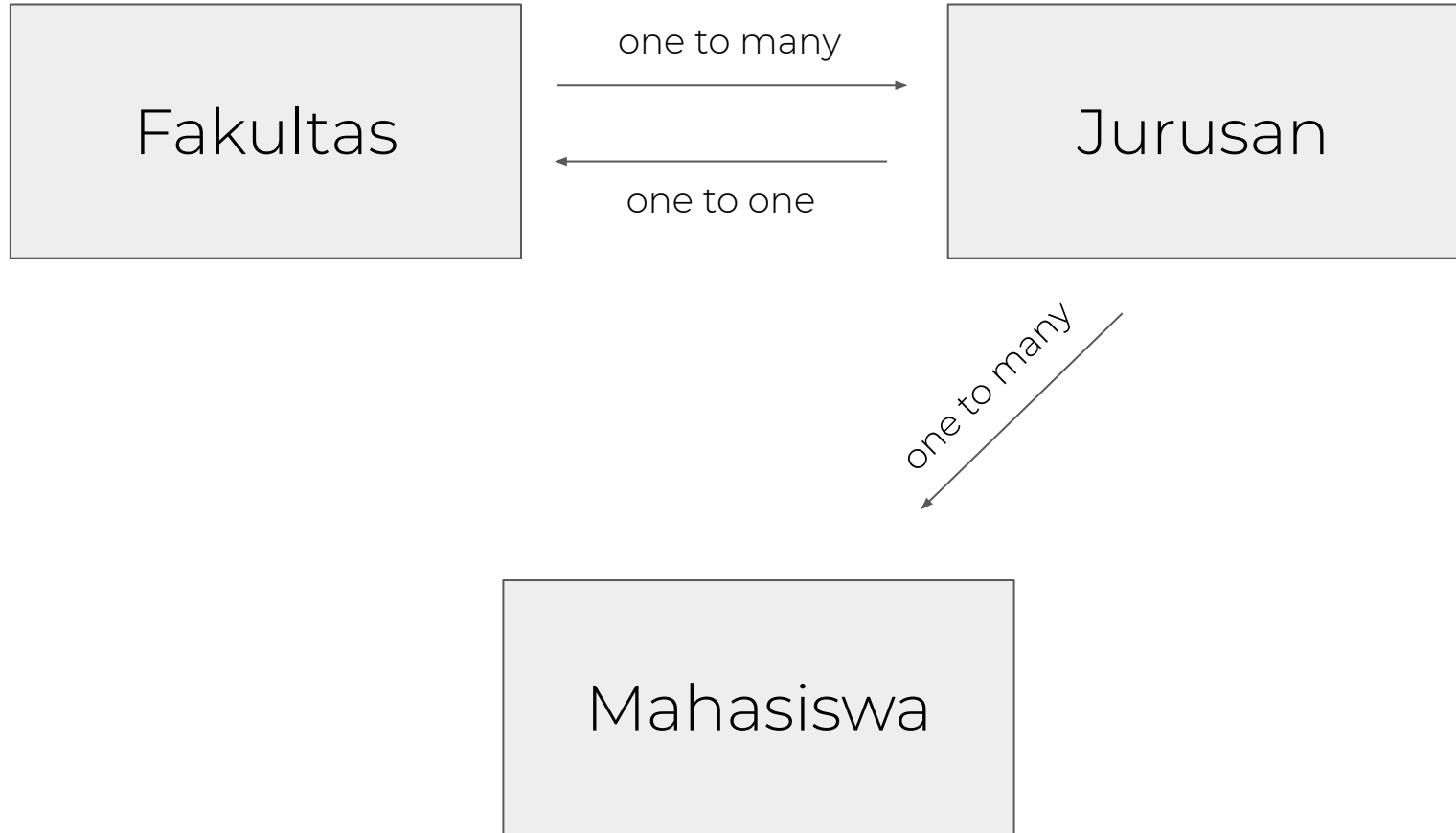
one to many

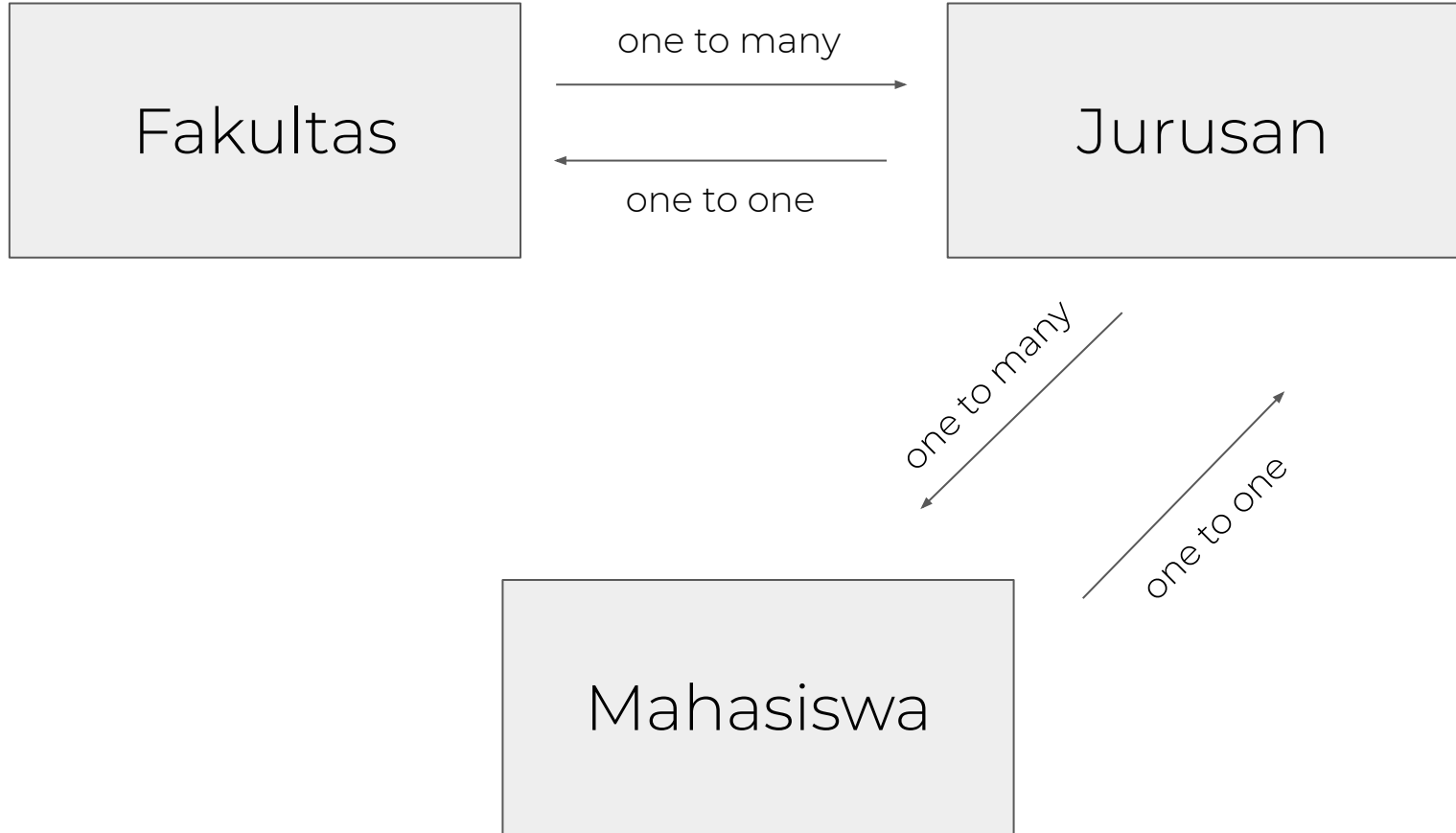
Jurusan

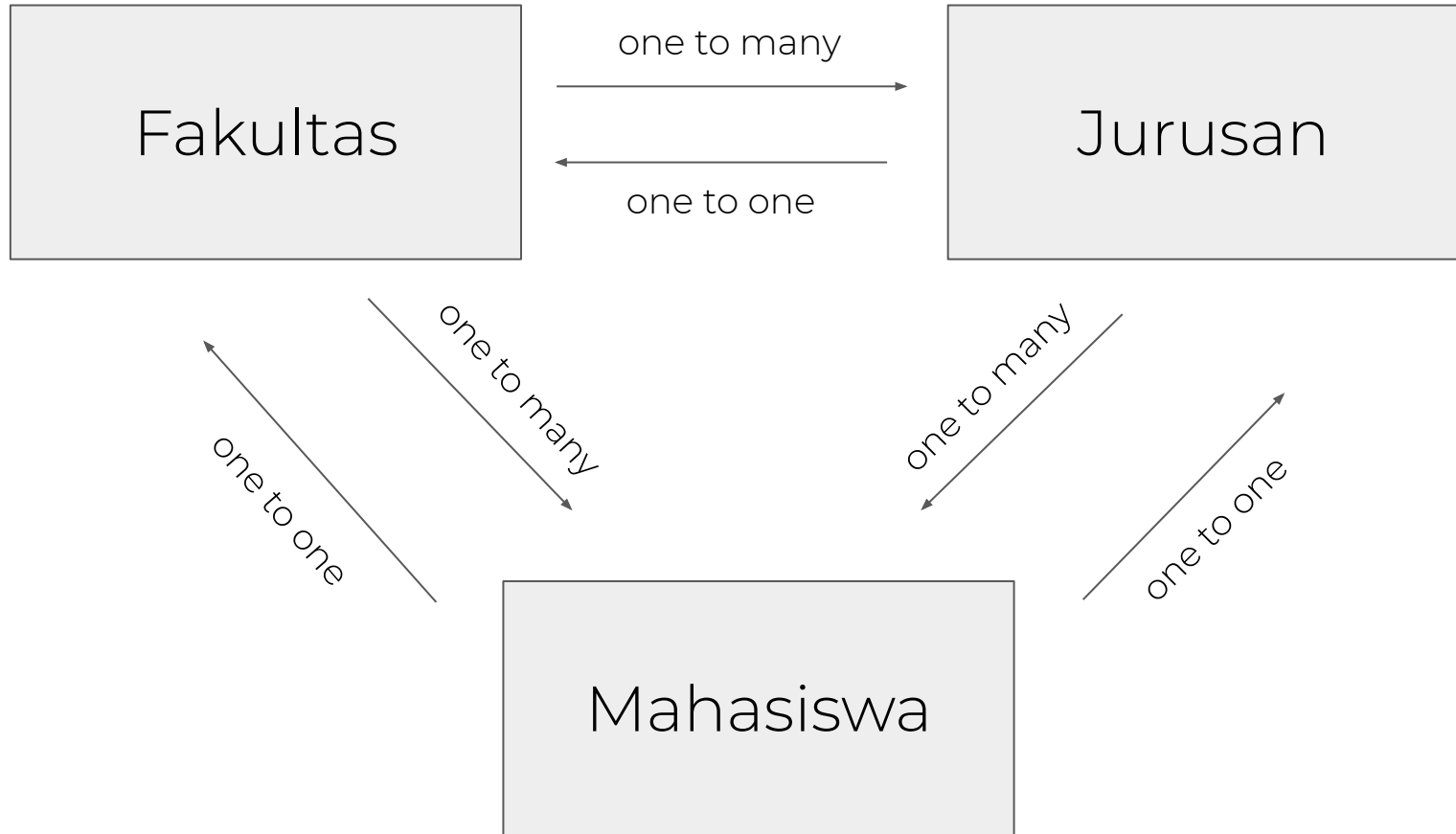
one to one

Mahasiswa

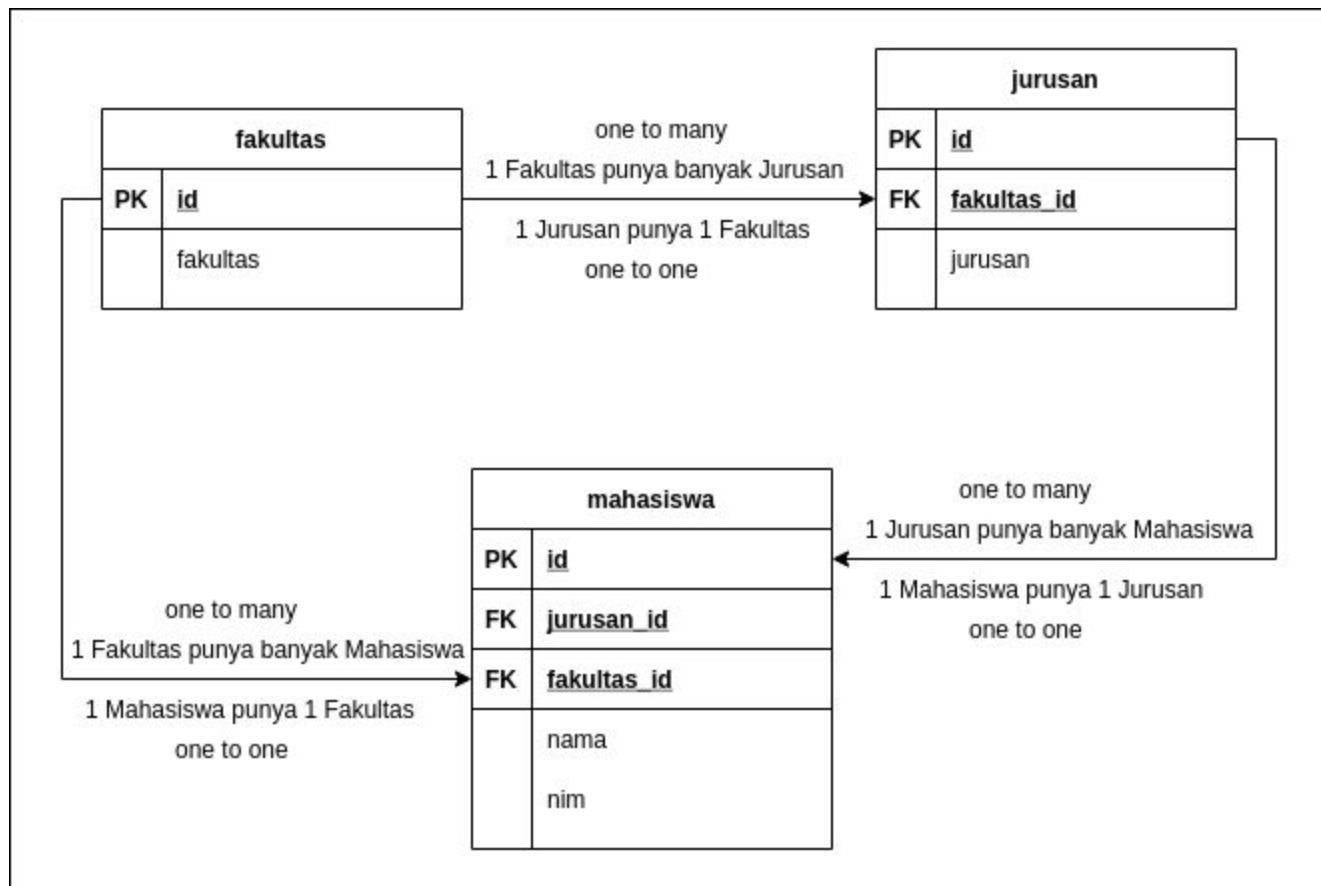












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EXPLORER



Fakultas.php X



PERTEMUAN... [Icons]

app

&gt; Console

&gt; Exceptions

&gt; Http

&gt; Models

Fakultas.php

Jurusan.php

Mahasiswa.php

User.php

&gt; Providers

&gt; bootstrap

&gt; config

&gt; database

&gt; node\_modules

&gt; public

&gt; resources

&gt; routes

&gt; storage

&gt; tests

&gt; vendor

.editorconfig

.env

.env.example

.gitattributes

.gitignore

.styleci.yml

&gt; OUTLINE

app &gt; Models &gt; Fakultas.php &gt; Fakultas &gt; mahasiswa

```
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7
8  class Fakultas extends Model
9  {
10     use HasFactory;
11     protected $guarded = ['id'];
12
13     public function jurusan()
14     {
15         // 1 Fakultas untuk banyak Jurusan
16         return $this->hasMany(Jurusan::class);
17     }
18
19     public function mahasiswa()
20     {
21         // 1 Fakultas untuk banyak Mahasiswa
22         return $this->hasMany(Mahasiswa::class);
23     }
24 }
25
```

```
1  namespace App;
2
3  use Illuminate\Foundation\Testing\WithoutMiddleware;
4  use Illuminate\Foundation\Testing\DatabaseMigrations;
```

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EXPLORER



Jurusan.php X



PERTEMUAN... [Icons]

app

&gt; Console

&gt; Exceptions

&gt; Http

Models

Fakultas.php

Jurusan.php

Mahasiswa.php

User.php

&gt; Providers

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&gt; routes

&gt; storage

&gt; tests

&gt; vendor

.editorconfig

.env

.env.example

.gitattributes

.gitignore

.styleci.yml

&gt; OUTLINE

app &gt; Models &gt; Jurusan.php &gt; Jurusan &gt; mahasiswa

```
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7
8  class Jurusan extends Model
9  {
10     use HasFactory;
11     protected $guarded = ['id'];
12
13     public function fakultas()
14     {
15         // 1 Jurusan untuk 1 Fakultas
16         return $this->belongsTo(Fakultas::class);
17     }
18
19     public function mahasiswa()
20     {
21         // 1 Jurusan untuk banyak Mahasiswa
22         return $this->hasMany(Mahasiswa::class);
23     }
24 }
25
```

```
1 use Illuminate\Database\Eloquent\Factories\HasFactory;
2 use Illuminate\Database\Eloquent\Model;
3
4 class Jurusan extends Model
5 {
6     use HasFactory;
7     protected $guarded = ['id'];
8
9     public function fakultas()
10     {
11         // 1 Jurusan untuk 1 Fakultas
12         return $this->belongsTo(Fakultas::class);
13     }
14
15     public function mahasiswa()
16     {
17         // 1 Jurusan untuk banyak Mahasiswa
18         return $this->hasMany(Mahasiswa::class);
19     }
20 }
```

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EXPLORER

Mahasiswa.php X



- PERTEMUAN-2
  - app
    - Console
    - Exceptions
    - Http
    - Models
      - Fakultas.php
      - Jurusan.php
      - Mahasiswa.php**
      - User.php
    - Providers
  - bootstrap
  - config
  - database
  - node\_modules
  - public
  - resources
  - routes
  - storage
  - tests
  - vendor
  - .editorconfig
  - .env
  - .env.example
  - .gitattributes
  - .gitignore
  - .styleci.yml
- OUTLINE

```
app > Models > Mahasiswa.php > Mahasiswa > fakultas
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7
8  class Mahasiswa extends Model
9  {
10     use HasFactory;
11     protected $guarded = ['id'];
12
13     public function jurusan()
14     {
15         // 1 Mahasiswa untuk 1 Jurusan
16         return $this->belongsTo(Jurusan::class);
17     }
18
19     public function fakultas()
20     {
21         // 1 Mahasiswa untuk 1 Fakultas
22         return $this->belongsTo(Fakultas::class);
23     }
24 }
25
```

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MahasiswaController.php x

app &gt; Http &gt; Controllers &gt; MahasiswaController.php &gt; MahasiswaController

```
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\Mahasiswa;
6  use Illuminate\Http\Request;
7
8  class MahasiswaController extends Controller
9  {
10     /**
11      * Display a listing of the resource.
12      *
13      * @return \Illuminate\Http\Response
14      */
15     public function index()
16     {
17         return view('mahasiswa/index', [
18             'collection' => Mahasiswa::all()
19         ]);
20     }
21
22     /**
23      * Show the form for creating a new resource.
24      *
25      * @return \Illuminate\Http\Response
26      */
27     public function create()
28     {
29         //
30     }
31
32     /**
```

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EXPLORER

index.blade.php x



PERTEMUAN-2

resources &gt; views &gt; mahasiswa &gt; index.blade.php &gt; div.container &gt; table.table.table-hover &gt; tbody &gt; tr &gt; td

- app
  - Console
  - Exceptions
  - Http
  - Models
  - Providers
  - bootstrap
  - config
  - database
  - node\_modules
  - public
- resources
  - css
  - js
  - lang
  - sass
- views
  - auth
  - layouts
  - mahasiswa
    - index.blade.php
  - user
- flex-box.blade.php
- home.blade.php
- welcome.blade.php
- routes

```
3  @section('content')
4  <div class="container">
5      <table class="table table-hover">
6          <thead>
7              <tr>
8                  <th>No</th>
9                  <th>Nama</th>
10                 <th>NIM</th>
11                 <th>Fakultas</th>
12                 <th>Jurusan</th>
13                 <th>Aksi</th>
14             </tr>
15         </thead>
16         @php($no = 1)
17         <tbody>
18             @foreach ($collection as $item)
19                 <tr>
20                     <td>{{ $no++ }}</td>
21                     <td>{{ $item->nama }}</td>
22                     <td>{{ $item->nim }}</td>
23                     <td>{{ $item->fakultas->fakultas }}</td>
24                     <td>{{ $item->jurusan->jurusan }}</td>
25                     <td>
26                         <button class="btn btn-warning btn-sm">Edit</button>
27                         <button class="btn btn-danger btn-sm">Delete</button>
28                     </td>
29                 </tr>
30             @endforeach
31         </tbody>
32     </table>
33 </div>
```

Laravel

Login Register

No	Nama	NIM	Fakultas	Jurusan	Aksi
1	AFRY LIANFAUZAN SIREGAR	201402001	Ilmu Komputer dan Teknologi Informasi	Teknologi Informasi	<a href="#">Edit</a> <a href="#">Delete</a>
2	Baginda Hamonangan Harahap	201402002	Ilmu Komputer dan Teknologi Informasi	Teknologi Informasi	<a href="#">Edit</a> <a href="#">Delete</a>
3	BAYU SURYAWAN	201402003	Ilmu Komputer dan Teknologi Informasi	Teknologi Informasi	<a href="#">Edit</a> <a href="#">Delete</a>
4	AINUN MARDIAH	201401001	Ilmu Komputer dan Teknologi Informasi	Ilmu Komputer	<a href="#">Edit</a> <a href="#">Delete</a>
5	AMRU KHAIR AL HAKIM	201401002	Ilmu Komputer dan Teknologi Informasi	Ilmu Komputer	<a href="#">Edit</a> <a href="#">Delete</a>
6	BELINTAWATI ZELDA BR GINTING	201401003	Ilmu Komputer dan Teknologi Informasi	Ilmu Komputer	<a href="#">Edit</a> <a href="#">Delete</a>



Selesai