

Nama : Ananda Rafi Amanullah

Kelas : XI RPL 7/ 06 (Kelas Laravel/04)

- ENV

```
Q .env X
Q .env
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:n8NSUmKOIznHST7L/RDpjNkCtOu5WvPuKLSGDGXE=
4 APP_DEBUG=true
5 APP_URL=http://localhost
6
7 LOG_CHANNEL=stack
8
9 DB_CONNECTION=mysql
10 DB_HOST=127.0.0.1
11 DB_PORT=3306
12 DB_DATABASE=perpustakaan_latihan
13 DB_USERNAME=root
14 DB_PASSWORD=root
15
16 BROADCAST_DRIVER=log
17 CACHE_DRIVER=file
18 QUEUE_CONNECTION=sync
19 SESSION_DRIVER=cookie
20 SESSION_LIFETIME=120
21
22 REDIS_HOST=127.0.0.1
23 REDIS_PASSWORD=null
24 REDIS_PORT=6379
25
26 MAIL_DRIVER=smtp
27 MAIL_HOST=smtp.mailtrap.io
28 MAIL_PORT=2525
29 MAIL_USERNAME=null
30 MAIL_PASSWORD=null
31 MAIL_ENCRYPTION=null
32
33 AWS_ACCESS_KEY_ID=
34 AWS_SECRET_ACCESS_KEY=
35 AWS_DEFAULT_REGION=us-east-1
36 AWS_BUCKET=
37
38 PUSHER_APP_ID=
39 PUSHER_APP_KEY=
40 PUSHER_APP_SECRET=
41 PUSHER_APP_CLUSTER=mt1
42
43 MIX_PUSHER_APP_KEY="${PUSHER_APP_KEY}"
44 MIX_PUSHER_APP_CLUSTER="${PUSHER_APP_CLUSTER}"
45
```

- FULL Migrate

```
PS C:\xampp\htdocs\Migrations> php artisan migrate:refresh
Rolling back: 2020_01_14_064325_create_peminjaman_table
Rolled back: 2020_01_14_064047_create_buku_table (0.01 seconds)
Rolling back: 2020_01_14_064047_create_buku_table
Rolled back: 2020_01_14_064047_create_buku_table (0 seconds)
Rolling back: 2020_01_14_063750_create_petugas_table
Rolled back: 2020_01_14_063750_create_petugas_table (0 seconds)
Rolling back: 2020_01_14_062906_create_anggota_table
Rolled back: 2020_01_14_062906_create_anggota_table (0 seconds)
Migrating: 2020_01_14_062906_create_anggota_table
Migrated: 2020_01_14_062906_create_anggota_table (0.23 seconds)
Migrating: 2020_01_14_063750_create_petugas_table
Migrated: 2020_01_14_063750_create_petugas_table (0.42 seconds)
Migrating: 2020_01_14_064047_create_buku_table
Migrated: 2020_01_14_064047_create_buku_table (0.2 seconds)
Migrating: 2020_01_14_064325_create_peminjaman_table
Migrated: 2020_01_14_064325_create_peminjaman_table (1.84 seconds)
Migrating: 2020_01_14_065658_create_detailpeminjaman_table
Migrated: 2020_01_14_065658_create_detailpeminjaman_table (2.92 seconds)
PS C:\xampp\htdocs\Migrations> php artisan migrate
Nothing to migrate.
```

- Migrate Tabel Anggota

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: php
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\xampp\htdocs\Migrations> php artisan make:migration create_anggota_table --create=pages
Created Migration: 2020_01_14_062906_create_anggota_table
PS C:\xampp\htdocs\Migrations>
```

- Migrate Tabel Buku

```
PS C:\xampp\htdocs\Migrations> php artisan make:migration create_buku_table --create=buku
Created Migration: 2020_01_14_064047_create_buku_table
PS C:\xampp\htdocs\Migrations>
```

- Migrate Tabel Detail

```
PS C:\xampp\htdocs\Migrations> php artisan make:migration create_detailpeminjaman_table --create=detail
Created Migration: 2020_01_14_065658_create_detailpeminjaman_table
PS C:\xampp\htdocs\Migrations>
```

- Migrate Tabel Peminjaman

```
PS C:\xampp\htdocs\Migrations> php artisan make:migration create_peminjaman_table --create=peminjaman
Created Migration: 2020_01_14_064325_create_peminjaman_table
PS C:\xampp\htdocs\Migrations>
```

- Migrate Tabel Petugas

```
PS C:\xampp\htdocs\Migrations> php artisan make:migration create_petugas_table --create=petugas
Created Migration: 2020_01_14_063750_create_petugas_table
PS C:\xampp\htdocs\Migrations>
```

- Migrate Anggota Tabel

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: powershell

Please use the argument -v to see more details.
PS C:\xampp\htdocs\Migrations> php artisan migrate
Migrating: 2020_01_14_062906_create_anggota_table

BadMethodCallException : Method Illuminate\Database\Schema\Blueprint::int does not exist.

at C:\xampp\htdocs\Migrations\vendor\laravel\framework\src\Illuminate\Support\Traits\Macroable.php:103
100|         public function __call($method, $parameters)
101|         {
102|             if (! static::hasMacro($method)) {
103|                 throw new BadMethodCallException(sprintf(
104|                     'Method %s::%s does not exist.', static::class, $method
105|                 ));
106|             }
107|         }

Exception trace:
1  Illuminate\Database\Schema\Blueprint::__call("int")
  C:\xampp\htdocs\Migrations\database\Migrations\2020_01_14_062906_create_anggota_table.php:20
2  CreateAnggotaTable::{closure}(Object(Illuminate\Database\Schema\Blueprint))
  C:\xampp\htdocs\Migrations\vendor\laravel\framework\src\Illuminate\Database\Schema\Builder.php:166

Please use the argument -v to see more details.
PS C:\xampp\htdocs\Migrations> php artisan migrate
Migrating: 2020_01_14_062906_create_anggota_table
Migrated: 2020_01_14_062906_create_anggota_table (0.23 seconds)
PS C:\xampp\htdocs\Migrations>
```

- Migrate Buku tabel

```
PS C:\xampp\htdocs\Migrations> php artisan migrate
Migrating: 2020_01_14_064047_create_buku_table
Migrated: 2020_01_14_064047_create_buku_table (0.23 seconds)
PS C:\xampp\htdocs\Migrations> |
```

- Migrate Detail Tabel

```
Please use the argument --vv to see more details.
PS C:\xampp\htdocs\Migrations> php artisan migrate
Migrating: 2020_01_14_065658_create_detailpeminjaman_table

Illuminate\Database\QueryException: SQLSTATE[HY000]: General error: 1005 Can't create table 'perpustakaan_latihan'.#sql-2fb8_322' (errno: 150 "Foreign key constraint is incorrectly formed") (SQL: alter table `detail` add constraint `detail_id_buku_foreign` foreign key (`id_buku`) references `buku` (`id_buku`) on delete cascade on update cascade)

at C:\xampp\htdocs\Migrations\vendor\laravel\framework\src\Illuminate\Database\Connection.php:669
665:         // If an exception occurs when attempting to run a query, we'll format the error
666:         // message to include the bindings with SQL, which will make this exception a
667:         // lot more helpful to the developer instead of just the database's errors.
668:         catch (Exception $e) {
669:             throw new QueryException(
670:                 $query, $this->prepareBindings($bindings), $e
671:             );
672:         }
673:     }

Exception trace:
 1 PDOException:("SQLSTATE[HY000]: General error: 1005 Can't create table 'perpustakaan_latihan'.#sql-2fb8_322' (errno: 150 "Foreign key constraint is incorrectly formed)")
  C:\xampp\htdocs\Migrations\vendor\laravel\framework\src\Illuminate\Database\Connection.php:463
 2 PDOStatement::execute()
  C:\xampp\htdocs\Migrations\vendor\laravel\framework\src\Illuminate\Database\Connection.php:463

Please use the argument --vv to see more details.
PS C:\xampp\htdocs\Migrations> |
```

- Migrate Peminjaman Tabel

```
PS C:\xampp\htdocs\Migrations> php artisan migrate
Migrating: 2020_01_14_064325_create_peminjaman_table
Migrated: 2020_01_14_064325_create_peminjaman_table (1.99 seconds)
Migrating: 2020_01_14_065658_create_detailpeminjaman_table
Migrated: 2020_01_14_065658_create_detailpeminjaman_table (0.4 seconds)
PS C:\xampp\htdocs\Migrations> |
```

- Migrate petugas

```
PS C:\xampp\htdocs\Migrations> php artisan make:migration create_petugas_table --create=petugas
Created Migration: 2020_01_14_063750_create_petugas_table
PS C:\xampp\htdocs\Migrations> php artisan migrate
Migrating: 2020_01_14_063750_create_petugas_table
Migrated: 2020_01_14_063750_create_petugas_table (0.33 seconds)
PS C:\xampp\htdocs\Migrations> php artisan migrate:status

+-----+-----+-----+
| Ran? | Migration | Batch |
+-----+-----+-----+
| Yes  | 2020_01_14_062906_create_anggota_table | 3 |
| Yes  | 2020_01_14_063750_create_petugas_table | 4 |
+-----+-----+-----+

PS C:\xampp\htdocs\Migrations> |
```

- Script Anggota

```
2020.01.14.063908_create_anggota_table.php <
database > migrations > 2020.01.14.063908_create_anggota_table.php
1 <?php
2
3 use Illuminate\Database\Migrations\Migration;
4 use Illuminate\Database\Schema\Blueprint;
5 use Illuminate\Support\Facades\Schema;
6
7 class CreateAnggotaTable extends Migration
8 {
9     /**
10      * Run the migrations.
11      *
12      * @return void
13      */
14     public function up()
15     {
16         Schema::create('anggota', function (Blueprint $table) {
17             $table->increments('id_anggota');
18             $table->string('nama_anggota');
19             $table->string('alamat');
20             $table->string('telepon');
21             $table->timestamp();
22         });
23     }
24
25     /**
26      * Reverse the migrations.
27      *
28      * @return void
29      */
30     public function down()
31     {
32         Schema::dropIfExists('anggota');
33     }
34 }
35
```

-Script petugas

```
2020.01.14.063750_create_petugas_table.php - Migrations - Visual Studio Code
database > migrations > 2020.01.14.063750_create_petugas_table.php
1 <?php
2
3 use Illuminate\Database\Migrations\Migration;
4 use Illuminate\Database\Schema\Blueprint;
5 use Illuminate\Support\Facades\Schema;
6
7 class CreatePetugasTable extends Migration
8 {
9     /**
10      * Run the migrations.
11      *
12      * @return void
13      */
14     public function up()
15     {
16         Schema::create('petugas', function (Blueprint $table) {
17             $table->increments('id_petugas');
18             $table->string('nama_petugas');
19             $table->string('alamat');
20             $table->string('telepon');
21             $table->string('password');
22             $table->string('username');
23             $table->timestamp();
24         });
25     }
26
27     /**
28      * Reverse the migrations.
29      *
30      * @return void
31      */
32     public function down()
33     {
34         Schema::dropIfExists('petugas');
35     }
36 }
37
```

-Script Peminjaman

```
2020.01.14.064425_create_peminjaman_table.php - Migrations - Visual Studio Code
database > migrations > 2020.01.14.064425_create_peminjaman_table.php
1 <?php
2
3 use Illuminate\Database\Migrations\Migration;
4 use Illuminate\Database\Schema\Blueprint;
5 use Illuminate\Support\Facades\Schema;
6
7 class CreatePeminjamanTable extends Migration
8 {
9     /**
10      * Run the migrations.
11      *
12      * @return void
13      */
14     public function up()
15     {
16         Schema::create('peminjaman', function (Blueprint $table) {
17             $table->increments('id_peminjaman');
18             $table->string('tgl_peminjaman');
19             $table->string('id_anggota')->unsigned();
20             $table->foreign('id_anggota')->references('id_anggota')->onDelete('cascade')->onUpdate('cascade');
21             $table->string('id_petugas')->unsigned();
22             $table->foreign('id_petugas')->references('id_petugas')->onDelete('cascade')->onUpdate('cascade');
23             $table->string('tgl_kembali');
24             $table->integer('denda');
25             $table->timestamp();
26         });
27     }
28
29     /**
30      * Reverse the migrations.
31      *
32      * @return void
33      */
34     public function down()
35     {
36         Schema::dropIfExists('peminjaman');
37     }
38 }
39
```

- Script Buku

```
2020_01_14_064047_create_buku_table.php - Migrations - Visual Studio Code
2020_01_14_064047_create_anggota_table.php
2020_01_14_064047_create_penjualan_table.php
2020_01_14_064047_create_detailpenjualan_table.php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

class CreateBukuTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('buku', function (Blueprint $table) {
            $table->increments('id_buku');
            $table->string('judul');
            $table->string('penerbit');
            $table->string('pengarang');
            $table->string('foto');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('buku');
    }
}
```

- Script Detail

```
2020_01_14_064047_create_penjualan_table.php
2020_01_14_064047_create_buku_table.php
2020_01_14_064047_create_anggota_table.php
2020_01_14_064047_create_detailpenjualan_table.php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

class CreateDetailpenjualanTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('detail', function (Blueprint $table) {
            $table->increments('id_detail');
            $table->integer('id_penjualan')->unsigned();
            $table->foreign('id_penjualan')->references('id_penjualan')->onDelete('cascade')->onUpdate('cascade');
            $table->integer('id_buku')->unsigned();
            $table->foreign('id_buku')->references('id_buku')->onDelete('cascade')->onUpdate('cascade');
            $table->integer('qty');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('detail');
    }
}
```

TABEL DATABASE

Tutorial Laravel #1: Pengertian | localhost / 127.0.0.1 / perpustakaan | Tutorial Dasar Penggunaan Laravel | Migration, Fitur Ajak di Laravel

localhost/phpmyadmin/tbl_structure.php?db=perpustakaan&table=anggota

Server: 127.0.0.1 | Database: perpustakaan | Table: anggota

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_anggota	int(10)		UNSIGNED	No	None		AUTO_INCREMENT	Change Drop More
2	nama_anggota	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
3	alamat	text	utf8mb4_unicode_ci		No	None			Change Drop More
4	telepon	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
5	created_at	timestamp			Yes	NULL			Change Drop More
6	updated_at	timestamp			Yes	NULL			Change Drop More

Tutorial Laravel #1: Pengertian | localhost / 127.0.0.1 / perpustakaan | Tutorial Dasar Penggunaan Laravel | Migration, Fitur Ajak di Laravel

localhost/phpmyadmin/tbl_structure.php?db=perpustakaan&table=buku

Server: 127.0.0.1 | Database: perpustakaan | Table: buku

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_buku	bigint(20)		UNSIGNED	No	None		AUTO_INCREMENT	Change Drop More
2	judul	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
3	penerbit	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
4	pengarang	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
5	foto	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
6	created_at	timestamp			Yes	NULL			Change Drop More
7	updated_at	timestamp			Yes	NULL			Change Drop More

Tutorial Dasar Penggunaan Laravel

localhost / 127.0.0.1 / perpustakaan

localhost/phpmyadmin/tbl_structure.php?db=perpustakaan&table=detail

Database: perpustakaan_lathian

Table: detail

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_detail	bigint(20)		UNSIGNED	No	None		AUTO_INCREMENT	Change Drop More
2	id_peminjaman	int(11)			No	None			Change Drop More
3	id_buku	int(11)			No	None			Change Drop More
4	qty	int(11)			No	None			Change Drop More
5	created_at	timestamp			Yes	NULL			Change Drop More
6	updated_at	timestamp			Yes	NULL			Change Drop More

Tutorial Dasar Penggunaan Laravel

localhost / 127.0.0.1 / perpustakaan

localhost/phpmyadmin/db_structure.php?db=perpustakaan_lathian

Database: perpustakaan_lathian

Table: detail

Table	Action	Rows	Type	Collation	Size	Overhead
anggota	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_unicode_ci	34 K	-
buku	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_unicode_ci	34 K	-
detail	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_unicode_ci	34 K	-
migrations	Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_unicode_ci	34 K	-
peminjaman	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_unicode_ci	34 K	-
petugas	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_unicode_ci	34 K	-
6 tables	Sum	7	InnoDB	utf8_unicode_ci	34 K	8.8

Tutorial Dasar Penggunaan Laravel

localhost / 127.0.0.1 / perpustakaan

localhost/phpmyadmin/tbl_structure.php?db=perpustakaan_lathian&table=peminjaman

Database: perpustakaan_lathian

Table: peminjaman

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_peminjaman	bigint(20)		UNSIGNED	No	None		AUTO_INCREMENT	Change Drop More
2	tgl_pinjam	date			No	None			Change Drop More
3	id_anggota	int(11)			No	None			Change Drop More
4	id_petugas	int(11)			No	None			Change Drop More
5	tgl_tempo	date			No	None			Change Drop More
6	denda	int(11)			No	None			Change Drop More
7	created_at	timestamp			Yes	NULL			Change Drop More
8	updated_at	timestamp			Yes	NULL			Change Drop More

Tutorial Dasar Penggunaan Laravel

localhost / 127.0.0.1 / perpustakaan

localhost/phpmyadmin/tbl_structure.php?db=perpustakaan_lathian&table=petugas

Database: perpustakaan_lathian

Table: petugas

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_petugas	int(10)		UNSIGNED	No	None		AUTO_INCREMENT	Change Drop More
2	nama_petugas	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
3	alamat	text	utf8mb4_unicode_ci		No	None			Change Drop More
4	telepon	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
5	username	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
6	password	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
7	created_at	timestamp			Yes	NULL			Change Drop More
8	updated_at	timestamp			Yes	NULL			Change Drop More

