

Laravel Migration

- Membuat tabel dan migration ke database

```
PS C:\xampp\htdocs\perpus> php artisan make:migration create_anggota_table
Created Migration: 2020_01_14_070926_create_anggota_table
```

```
PS C:\xampp\htdocs\perpus> php artisan migrate
Migration table created successfully.
Migrating: 2020_01_14_070926_create_anggota_table
Migrated: 2020_01_14_070926_create_anggota_table (0.31 seconds)
PS C:\xampp\htdocs\perpus> php artisan make:migration create_buku_table
Created Migration: 2020_01_14_071507_create_buku_table
PS C:\xampp\htdocs\perpus> php artisan migrate
Migrating: 2020_01_14_071507_create_buku_table
Migrated: 2020_01_14_071507_create_buku_table (0.53 seconds)
PS C:\xampp\htdocs\perpus> php artisan make:migration create_petugas_table
Created Migration: 2020_01_14_071651_create_petugas_table
PS C:\xampp\htdocs\perpus> php artisan migrate
Migrating: 2020_01_14_071651_create_petugas_table
Migrated: 2020_01_14_071651_create_petugas_table (0.61 seconds)
PS C:\xampp\htdocs\perpus> php artisan make:migration create_peminjaman_table
Created Migration: 2020_01_14_071858_create_peminjaman_table
PS C:\xampp\htdocs\perpus> php artisan migrate
Migrating: 2020_01_14_071858_create_peminjaman_table
Migrated: 2020_01_14_071858_create_peminjaman_table (0.48 seconds)
PS C:\xampp\htdocs\perpus> php artisan make:migration create_detail_peminjaman_table
Created Migration: 2020_01_14_072141_create_detail_peminjaman_table
PS C:\xampp\htdocs\perpus> php artisan migrate
Migrating: 2020_01_14_072141_create_detail_peminjaman_table
Migrated: 2020_01_14_072141_create_detail_peminjaman_table (0.31 seconds)
```

- Sintaks pada file database

```
class CreateAnggotaTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('anggota', function (Blueprint $table) {
            $table->bigIncrements('id_anggota');
            $table->string('nama_anggota', 255);
            $table->string('alamat', 255);
            $table->integer('telp');
            $table->timestamps();
        });
    }
}
```

```

class CreateBukuTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('buku', function (Blueprint $table) {
            $table->bigIncrements('id_buku');
            $table->string('judul', 255);
            $table->string('penerbit', 255);
            $table->string('pengarang', 255);
            $table->string('foto', 10);
            $table->timestamps();
        });
    }
}

```

```

class CreatePetugasTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('petugas', function (Blueprint $table) {
            $table->bigIncrements('id_petugas');
            $table->string('nama_petugas');
            $table->string('alamat');
            $table->integer('telp');
            $table->string('username', 50);
            $table->string('password', 15);
            $table->timestamps();
        });
    }
}

```

```

class CreatePeminjamanTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('peminjaman', function (Blueprint $table) {
            $table->bigIncrements('id_peminjaman');
            $table->date('tgl');
            $table->integer('id_anggota');
            $table->integer('id_petugas');
            $table->date('deadline');
            $table->string('denda', 255);
            $table->timestamps();
        });
    }
}

```

```

class CreateDetailPeminjamanTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('detail_peminjaman', function (Blueprint $table) {
            $table->bigIncrements('id_detail');
            $table->integer('id_pinjam');
            $table->integer('id_buku');
            $table->string('qty', 255);
            $table->timestamps();
        });
    }
}

```

- Installing Laravel

```
c:\xampp>composer create-project --prefer-dist laravel/laravel test
Installing laravel/laravel (v6.8.0)
- Installing laravel/laravel (v6.8.0): Loading from cache
Created project in test
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 86 installs, 0 updates, 0 removals
- Installing symfony/polyfill-ctype (v1.13.1): Loading from cache
- Installing phoption/phoption (1.7.2): Loading from cache
- Installing vlucas/phpdotenv (v3.6.0): Loading from cache
- Installing symfony/css-selector (v5.0.2): Loading from cache
- Installing tijsverkoyen/css-to-inline-styles (2.2.2): Loading from cache
- Installing symfony/polyfill-php72 (v1.13.1): Loading from cache
- Installing symfony/polyfill-mbstring (v1.13.1): Loading from cache
- Installing symfony/var-dumper (v4.4.2): Loading from cache
- Installing symfony/routing (v4.4.2): Loading from cache
- Installing symfony/process (v4.4.2): Loading from cache
- Installing symfony/polyfill-php73 (v1.13.1): Loading from cache
- Installing symfony/polyfill-intl-idn (v1.13.1): Loading from cache
- Installing symfony/mime (v5.0.2): Loading from cache
- Installing symfony/http-foundation (v4.4.2): Loading from cache
- Installing symfony/event-dispatcher-contracts (v1.1.7): Loading from cache
- Installing psr/container (1.0.0): Loading from cache
- Installing symfony/event-dispatcher (v4.4.2): Loading from cache
- Installing psr/log (1.1.2): Loading from cache
- Installing symfony/debug (v4.4.2): Loading from cache
- Installing symfony/error-handler (v4.4.2): Loading from cache
- Installing symfony/http-kernel (v4.4.2): Loading from cache
- Installing symfony/finder (v4.4.2): Loading from cache
- Installing symfony/service-contracts (v2.0.1): Loading from cache
- Installing symfony/console (v4.4.2): Loading from cache
- Installing symfony/polyfill-iconv (v1.13.1): Loading from cache
- Installing doctrine/lexer (1.2.0): Loading from cache
- Installing egulias/email-validator (2.1.14): Loading from cache
- Installing swiftmailer/swiftmailer (v6.2.3): Loading from cache
- Installing paragonie/random_compat (v9.99.99): Loading from cache
- Installing ramsey/uuid (3.9.2): Loading from cache
```