**MATERI 3**

1. **Create Table**

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| php artisan make:migration create\_nama-tabel\_table |

* public function up(): void
* {
* Schema::create('dosen', function (Blueprint $table) {
* $table->string('nip', 50)->primary();
* $table->string('nama\_dosen', 50)->required();
* $table->string('email\_dosen', 50)->required();
* $table->string('no\_handphone', 50)->required();
* });
* }
* */\*\**
* *\* Reverse the migrations.*
* *\*/*
* public function down(): void
* {
* Schema::dropIfExists('dosen');
* }

1. **Add attributes biasa**

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| php artisan make:migration add\_nama\_kolom\_to\_nama\_tabel\_table |

* public function up(): void
* {
* Schema::table('mahasiswa', function (Blueprint $table) {
* $table->string('alamat')->after('no\_handphone');
* });
* }
* */\*\**
* *\* Reverse the migrations.*
* *\*/*
* public function down(): void
* {
* Schema::table('mahasiswa', function (Blueprint $table) {
* $table->dropColumn('alamat');
* });
* }

1. **Change atributtes name**

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| php artisan make:migration modify\_nama\_kolom\_in\_nama\_tabel\_table |

* public function up(): void
* {
* Schema::table('mahasiswa', function (Blueprint $table) {
* $table->renameColumn('alamat', 'alamat\_rumah');
* });
* }
* */\*\**
* *\* Reverse the migrations.*
* *\*/*
* public function down(): void
* {
* Schema::table('mahasiswa', function (Blueprint $table) {
* $table->renameColumn('alamat\_rumah', 'alamat');
* });
* }

1. **Assign Foreign Key**

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| php artisan make:migration add\_nama\_kolom\_to\_nama\_tabel\_table |

Perintah disini untuk menambahkan foreign key ‘nip’ yang berasal dari tabel dosen untuk menjadi foreign key di tabel ‘matakuliah’

* public function up(): void
* {
* Schema::table('mahasiswa', function (Blueprint $table) {
* $table->unsignedBigInteger('id\_jurusan')->required()->after('no\_handphone');
* $table->foreign('id\_jurusan')->references('id\_jurusan')->on('jurusan')->onDelete('restrict');
* });
* }
* public function down(): void
* {
* Schema::table('mahasiswa', function (Blueprint $table) {
* $table->dropForeign(['id\_jurusan']);
* $table->dropColumn('id\_jurusan');
* });
* }

1. **Rollback**

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| php artisan migrate:rollback |

1. **Langsung**

* public function up(): void
* {
* Schema::create('pemesanan', function (Blueprint $table) {
* $table->id('id\_pemesanan'); *// Primary key untuk pemesanan*
* $table->integer('jumlah'); *// Kolom untuk jumlah novel yang dipesan*
* $table->decimal('total\_harga', 10, 2); *// Total harga untuk pemesanan*
* $table->enum('status', ['Dibayar', 'Belum Dibayar', 'Dibatalkan']); *// Status pemesanan*
* $table->foreignId('user\_id')->constrained('users')->cascadeOnDelete()->cascadeOnUpdate(); *// Relasi dengan tabel users dengan cascade*
* $table->foreignId('novel\_id')->constrained('novel')->cascadeOnDelete()->cascadeOnUpdate(); *// Relasi dengan tabel novel dengan cascade*
* });
* }
* */\*\**
* *\* Reverse the migrations.*
* *\*/*
* public function down(): void
* {
* Schema::dropIfExists('pemesanan');
* }