

Create a New Table

```
php artisan make:migration create_roles
```

Modify an Existing Table

```
php artisan make:migration add_name_to_roles
```

Table Level

PHP	Resulting SQL
<code>Schema::rename(\$from, \$to);</code>	<code>RENAME TABLE ` \$from ` TO ` \$to `</code>
<code>Schema::create('roles', function (Blueprint \$t) { \$t->bigIncrements('id'); });</code>	<code>create table `roles` (`id` bigint unsigned not null auto_increment primary key) default character set utf8mb4 collate 'utf8mb4_unicode_ci'</code>
<code>Schema::dropIfExists('roles');</code>	

Modifiers

PHP	Resulting SQL
<code>\$t->boolean('a')->after('id');</code>	<code>alter table `t` add `a` tinyint(1) not null after `id`</code>
<code>\$t->boolean('a')->default('1');</code>	<code>alter table `t` add `a` tinyint(1) not null default '1'</code>
<code>\$t->boolean('a')->nullable();</code>	<code>alter table `t` add `a` tinyint(1) null</code>

Columns

PHP	Resulting SQL From Up
<code>\$t->string('a');</code>	<code>alter table `t` add `a` varchar(255) not null</code>
<code>\$t->integer('a')</code>	<code>alter table `t` add `a` int not null</code>
<code>\$t->timestamp('a')</code>	<code>alter table `t` add `a` timestamp not null;</code>
<code>\$t->unsignedBigInteger('a');</code>	<code>alter table `t` add `a` bigint unsigned not null</code>
<code>\$t->dropColumn('a');</code>	<code>alter table `t` drop column `a`</code>

Indexes and Relationships

PHP Up	PHP Down	Resulting SQL From Up
<code>\$t ->foreign('user_id') ->references('id') ->on('users');</code>	<code>\$t->dropForeign('roles_user_id_foreign');</code>	<code>alter table `t` add constraint `roles_user_id_foreign` foreign key (`user_id`) references `users` (`id`)</code>
<code>\$t->index(['user_id', 'role_id',]);</code>	<code>\$t->dropIndex(['user_id', 'role_id',]);</code>	<code>alter table `t` add index `roles_user_id_role_id_index` (`user_id`, `role_id`)</code>
<code>\$t->unique(['user_id', 'role_id',]);</code>	<code>\$t->dropUnique(['user_id', 'role_id',]);</code>	<code>alter table `t` add unique `roles_user_id_role_id_unique` (`user_id`, `role_id`)</code>