Laravel migrations

Creating Migrations :

To create a new migration, use the `make:migration` Artisan command:

```
php artisan make:migration create_contacts_table
```

Writing Migrations

A migration file typically includes two methods: `up` and `down`.

- The `up` method is used to define the changes you want to make to your database (e.g., creating a table, adding columns).
- The `down` method is used to reverse those changes (e.g., dropping the table, removing columns).

```
public function up() {

Schema::create('contacts', function (Blueprint $table)
{

 $table->string('name');

 $table->string('email');


$table->text('message');

$table->timestamps();
```

```
  });

}


public function down() {
Schema::dropIfExists('contacts');


}
```

Run the Migration

```
php artisan migrate
```

Migration Command

```
php artisan make:migration reate_contacts_table
php artisan migrate
php artisan migrate:rollback
```

Other Method:

For New Table

```
Schema::create('contacts', function (Blueprint $table){

});
```

For Existing Table

```
Schema::table('contacts',function (Blueprint $table) {
});
```

Adding Columns to an Existing Table

```
Schema::table('contacts', function (Blueprint $table) {

$table->string('phone')->nullable();

});
```

Adding Unique Constraints:
```
$table->unique('email');
```

Renaming a Table:
```
Schema::rename('contacts', 'contact_messages');
```

Dropping Columns:
```
$table->dropColumn('phone');
```

Renaming Columns
```
$table->renameColumn('subject', 'topic');
```