Database Queries & Seeding Data
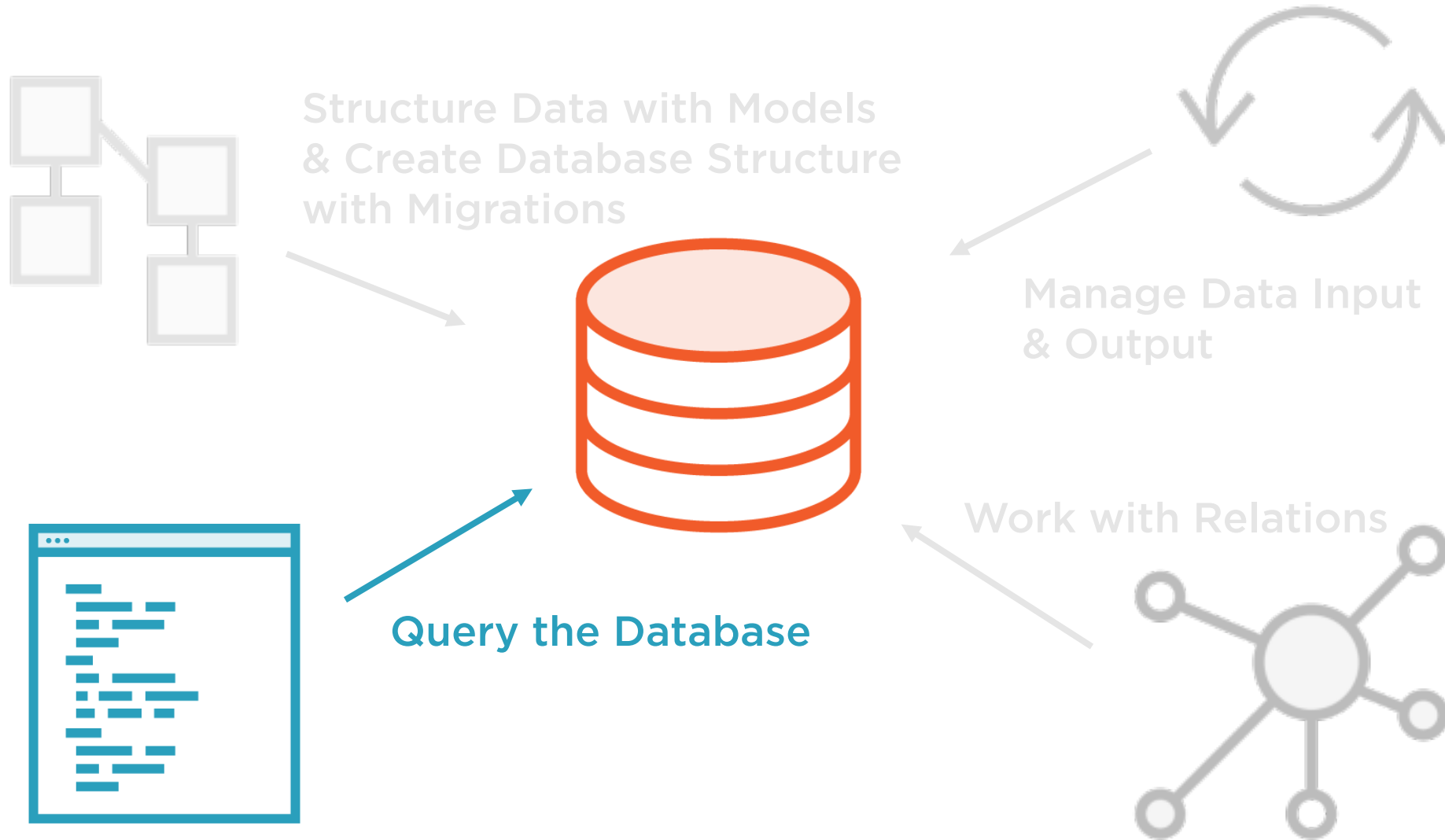
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Course Structure

Structure Data with Models
& Create Database Structure
with Migrations

Manage Data Input
& Output

Query the Database

Work with Relations

Saving Data (INSERT)

```php
// Create model instance

$post = new Post();

$post->title = 'The Title';

$post->save();
```

Fetching Data (SELECT)

```php
// Fetch models where 'title' equals 'Title'

$posts = Post::where('title','=','Title')->get();

// Only get first matching entry

$post = Post::where('title','=','Title')->first();

// Get all models

$posts = Post::all();

// Get by ID shortcut

$post = Post::find(10);
```

Laravel Collections

```php
$post = Post::all();
$post = Post::where()->get();
...
```

Laravel Collection of Models

Collection Methods

```php
filter();
```

```php
sort();
```

```php
each();
```

```php
…();
```

Updating Data (UPDATE)

```php
// Update single model

$post = Post::where('title','=','Title')->first();

$post->title = 'New Title';

$post->save();

// Updating multiple models at once

Post::where('title','=','Title')

    ->update(['title' => 'New Title']);
```

Deleting Data (DELETE)

```php
// Delete single model
$post = Post::where('title','=','Title')->first();
$post->delete();
// Deleting multiple models at once
Post::where('title','=','Title')
    ->delete();
```
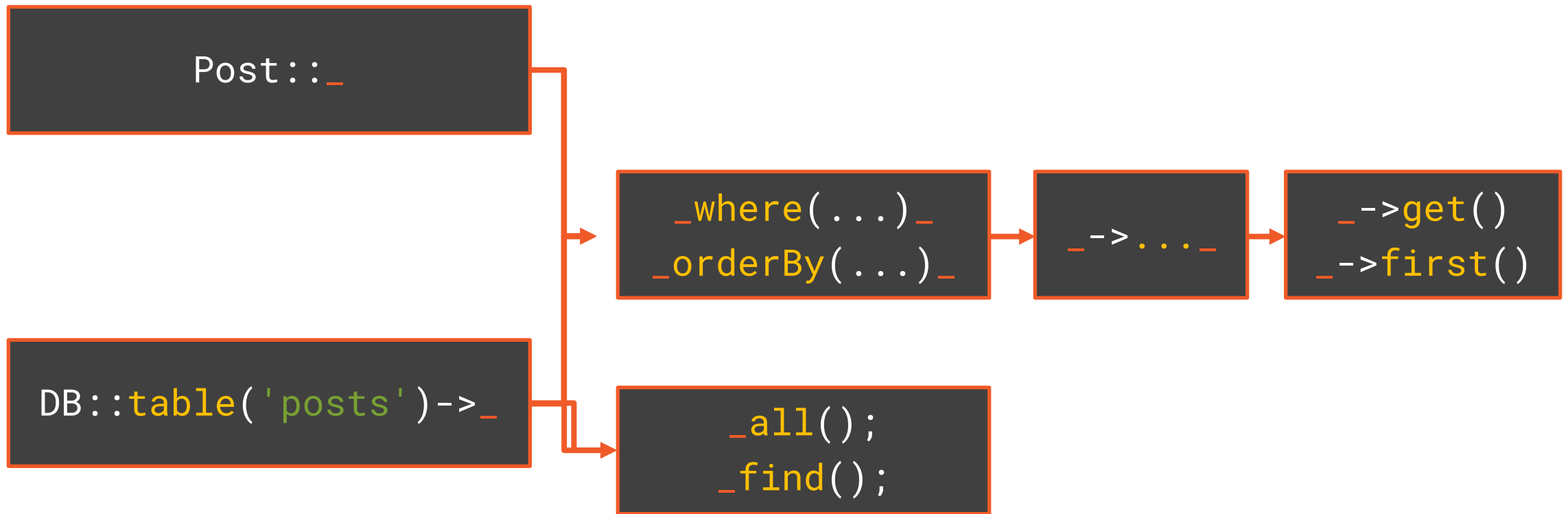
The Laravel Query Builder

```
Post::_
```

```
DB::table('posts')->_
```

```
_where(...)_
_orderBy(...)_
```

```
_->..._
```

```
_->get()
_->first()
```

```
_all();
_find();
```

Seeding the Database

Test the Application

Deploy Default Data

Seed the Database

Laravel Seeder

```
php artisan make:seed PostTableSeeder
```