Laravel 9 Fundamentals

Introducing Laravel

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Software Developer

Laravel 9 Fundamentals

Version Check

Version Check

This version was created by using:
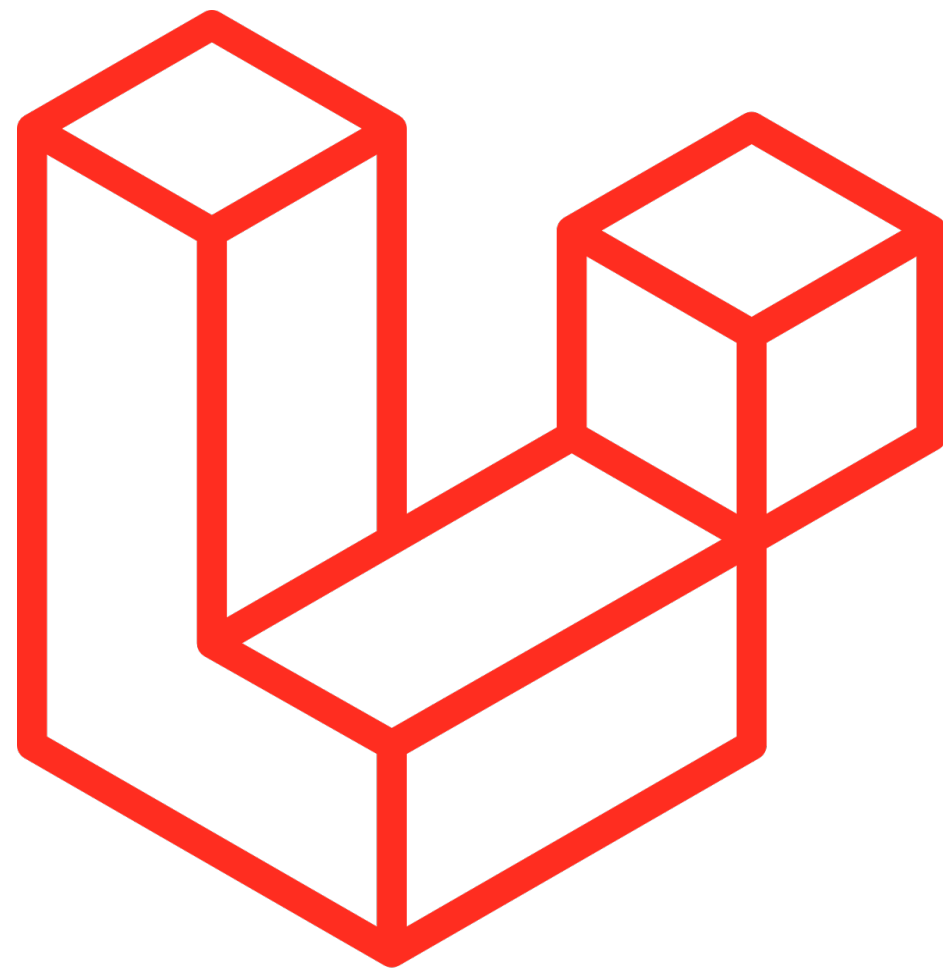- PHP 8
- Laravel 9

Version Check

This course is 100% applicable to:
- PHP 8.0 through PHP 8.1
- Laravel 9.0 through Laravel 9.1

Laravel 9 Fundamentals

Intended audience
- Student is familiar with the basics of web development and PHP
- Laravel beginners

Follow along or watch and listen

Outcomes of the course
- Familiarity with the Laravel framework fundamentals
- Building maintainable web applications with Laravel

Prerequisites

Web Development

Request/Response workflow

HTML and CSS

How to structure web pages

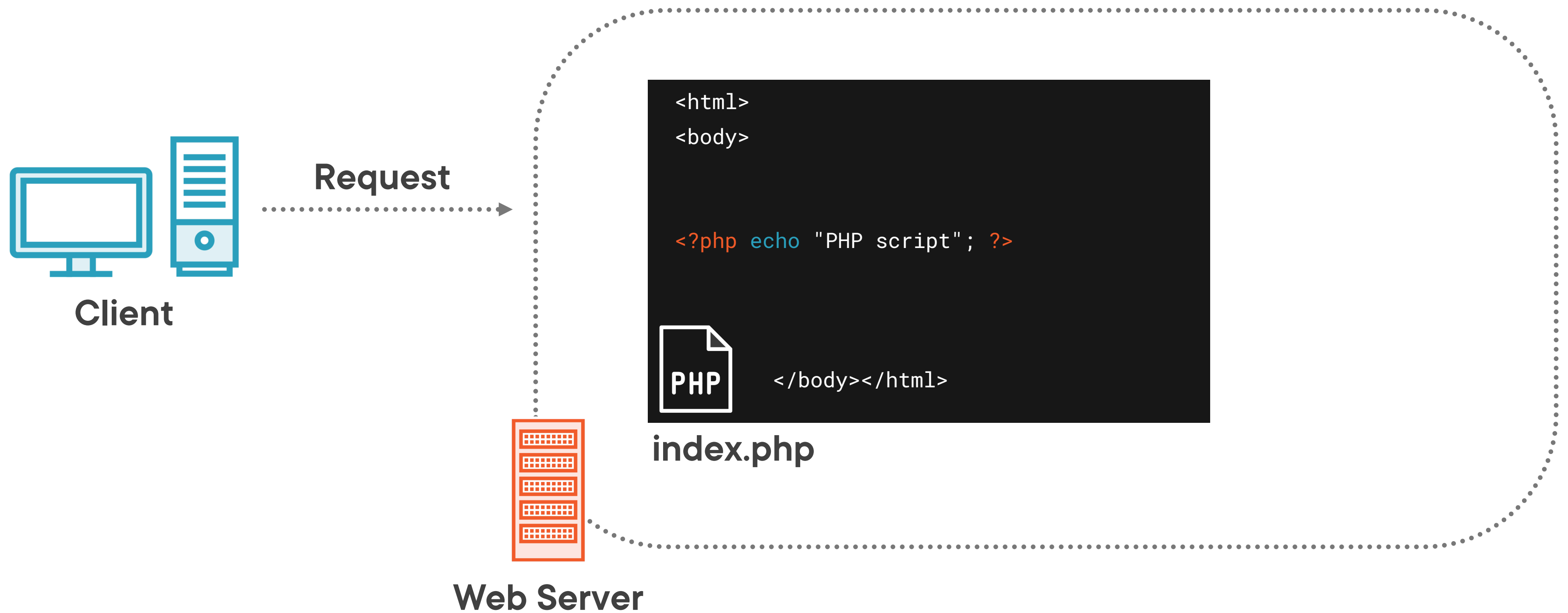**PHP**

Experience with using the language
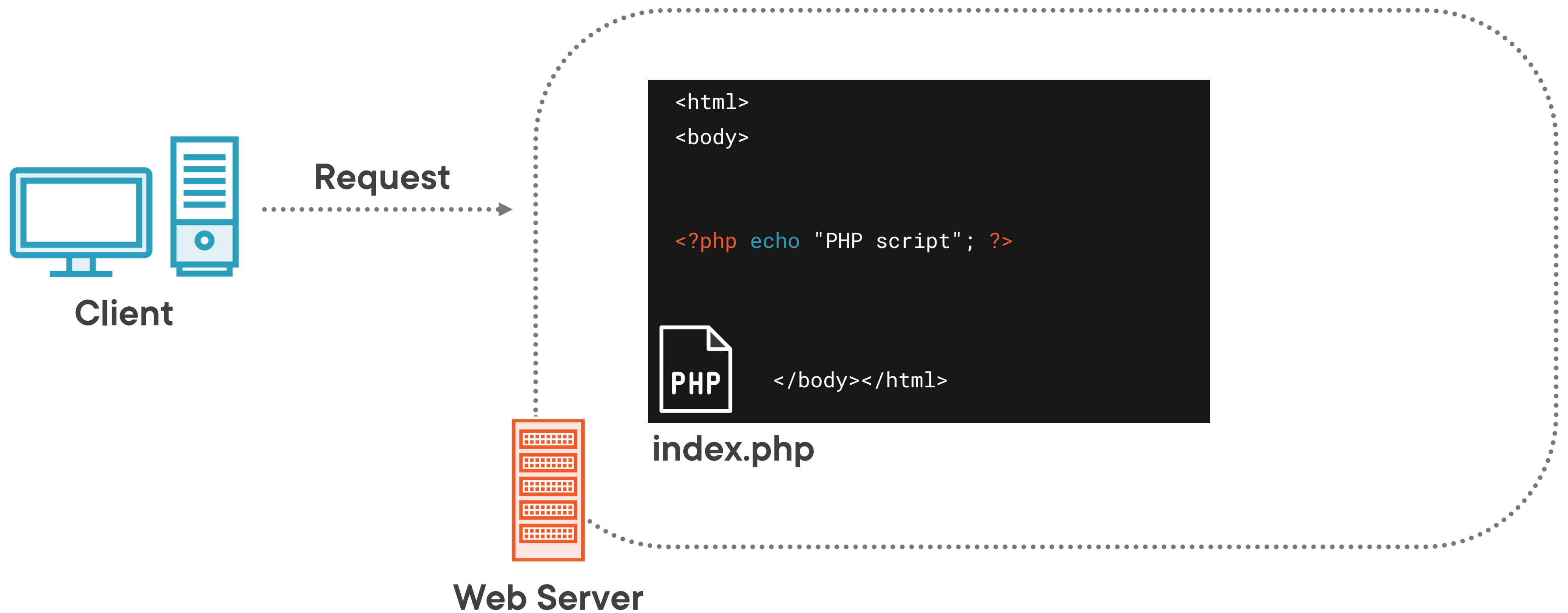
OOP

Object-oriented programming in PHP

SQL
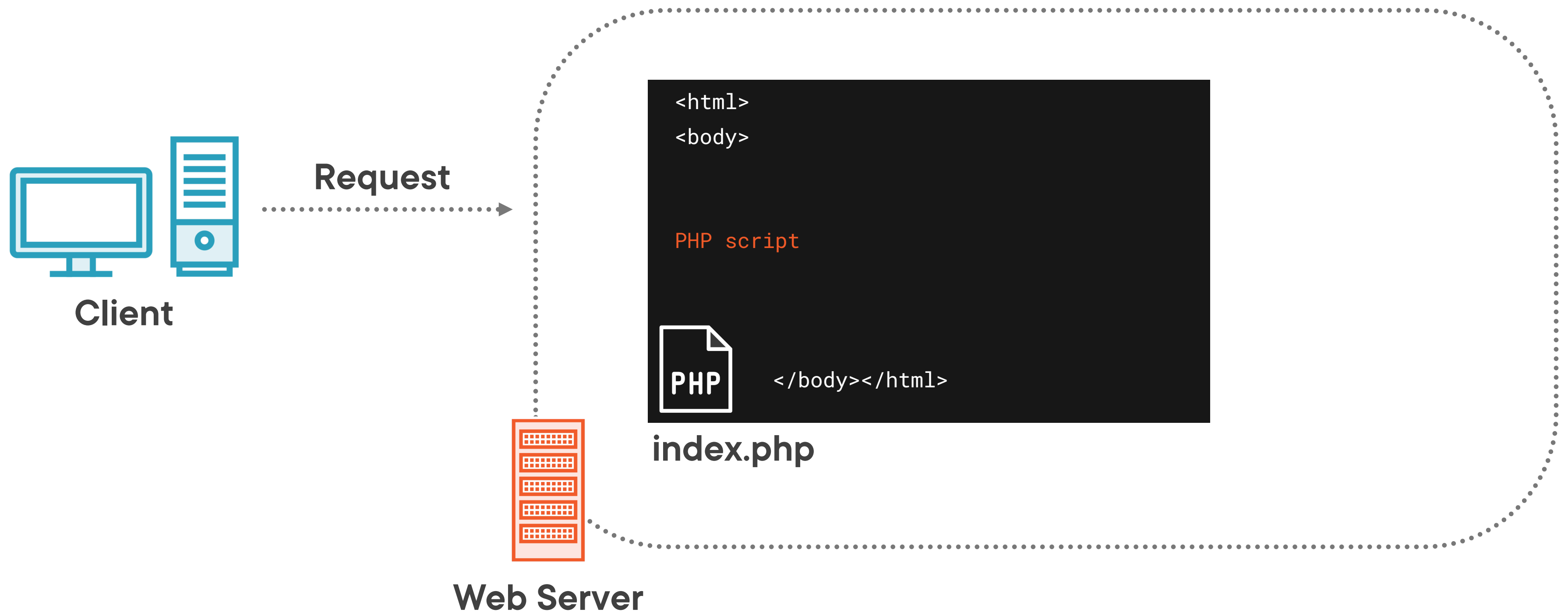
Basics of relational databases

What is Laravel?

Client

Request

Web Server

```
<html>
<body>


<?php echo "PHP script"; ?>


       </body></html>
```

index.php

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Web Server

SQL Database

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<html>
<body>
<?php
$result = $conn->query("SELECT * FROM
users WHERE id=3");
$user = $stmt->fetch_assoc();
echo $user["name"]; ?>

</body></html>
```

PHP

index.php

Web Server

SQL Database

What is Laravel?

PHP script

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PHP     </body></html>
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index.php

Web Server

SQL Database

What is Laravel?

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<html>
<body>

John

                    </body></html>
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index.php

Web Server

SQL Database

What is Laravel?

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John

Response

Web Server

```php
<html>
<body>

John

</body></html>
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index.php

SQL Database

What is Laravel?

Client

Web Server

View

Controller

Model

Laravel

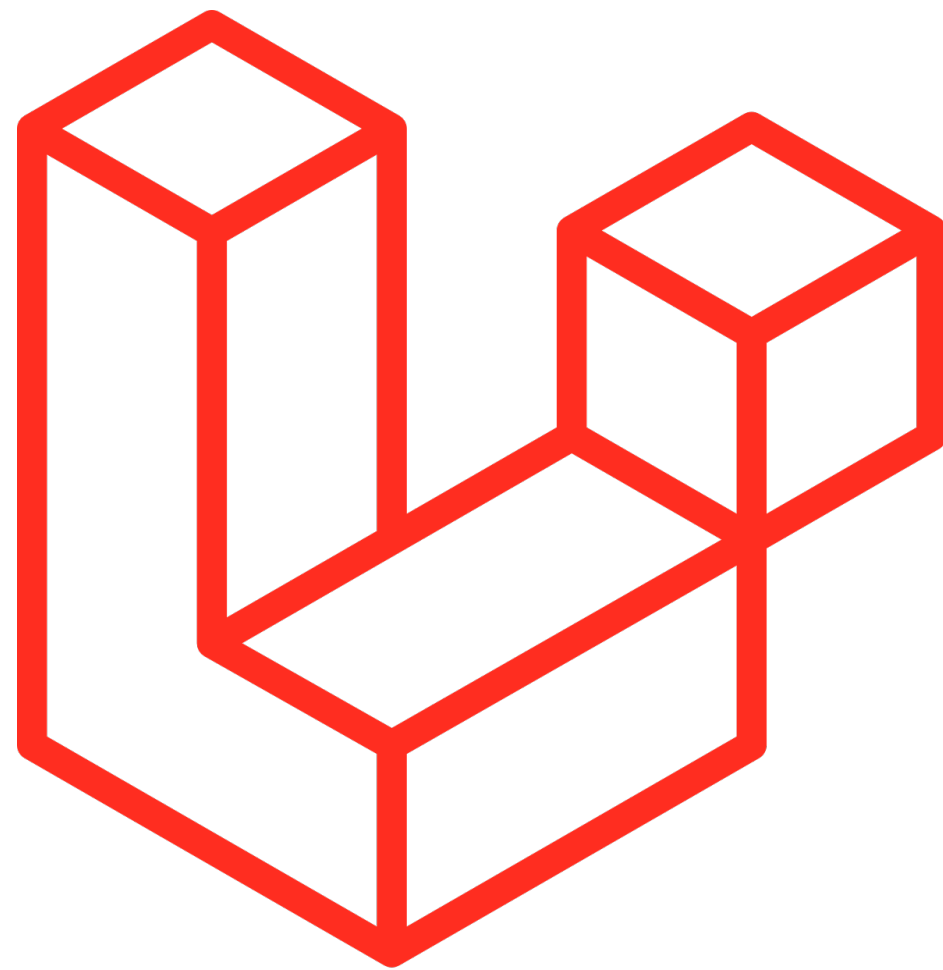**SQL Database**
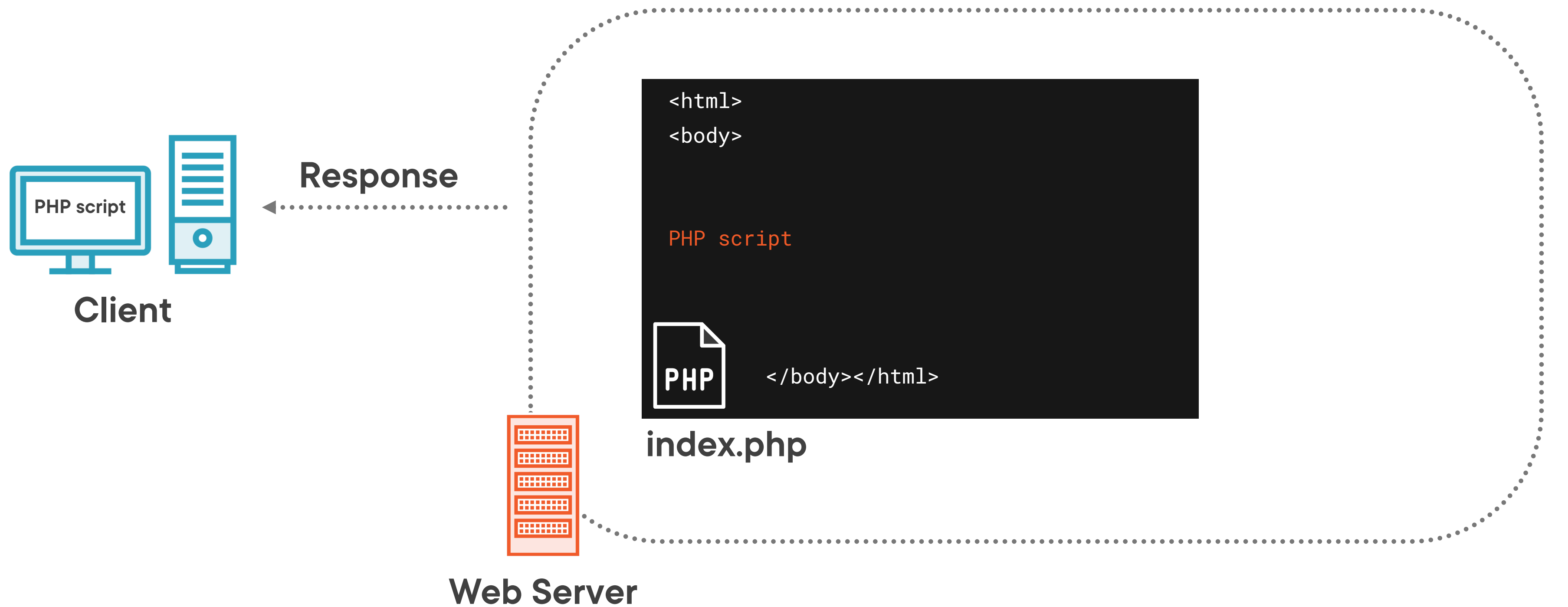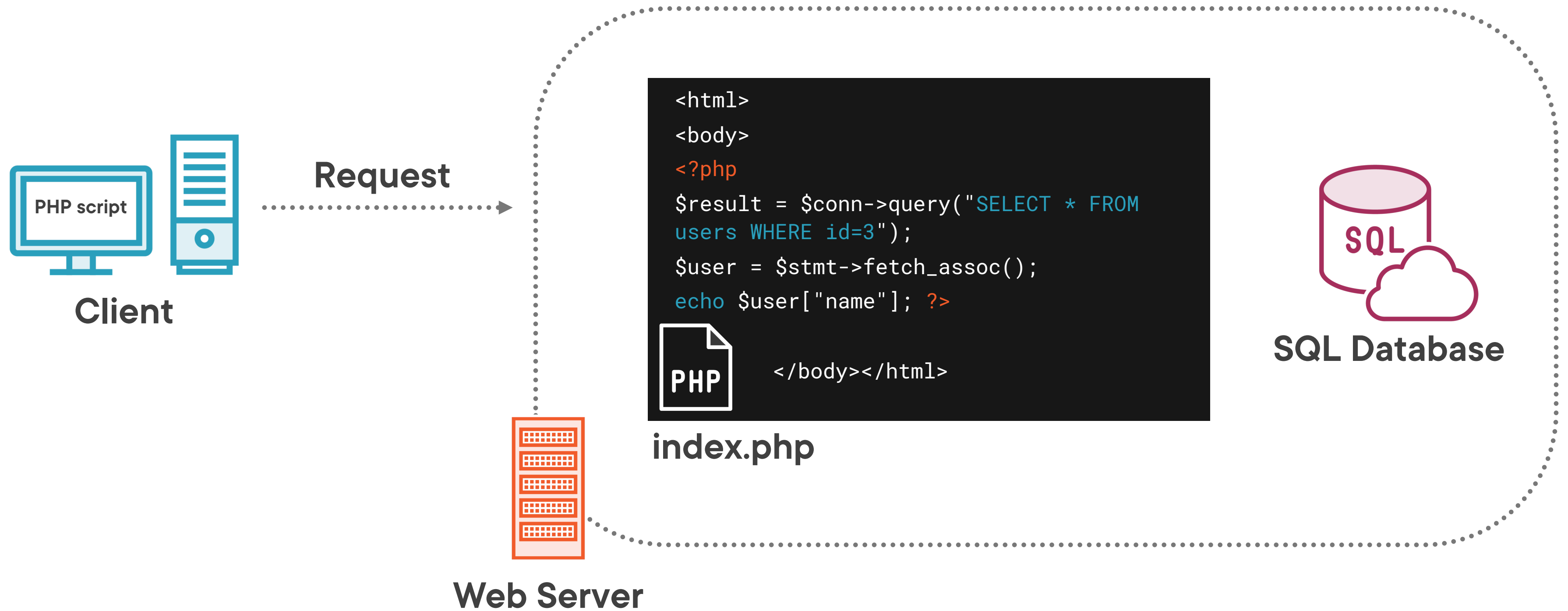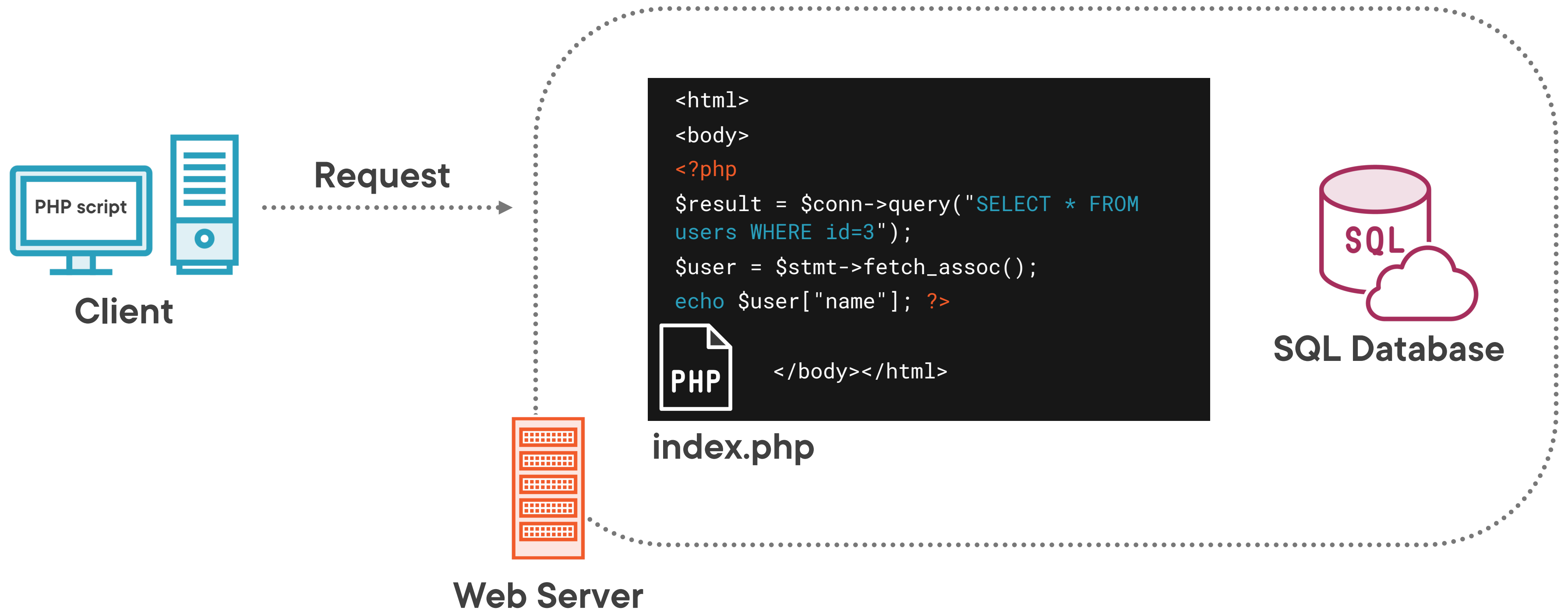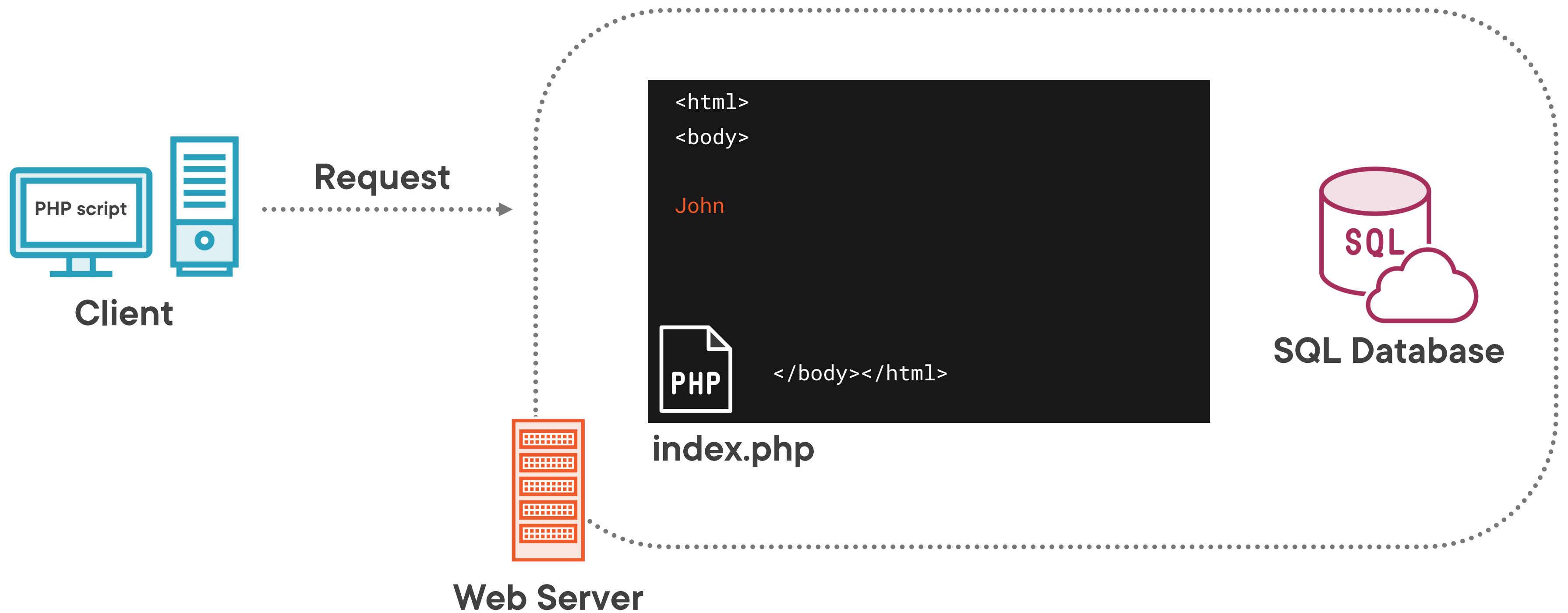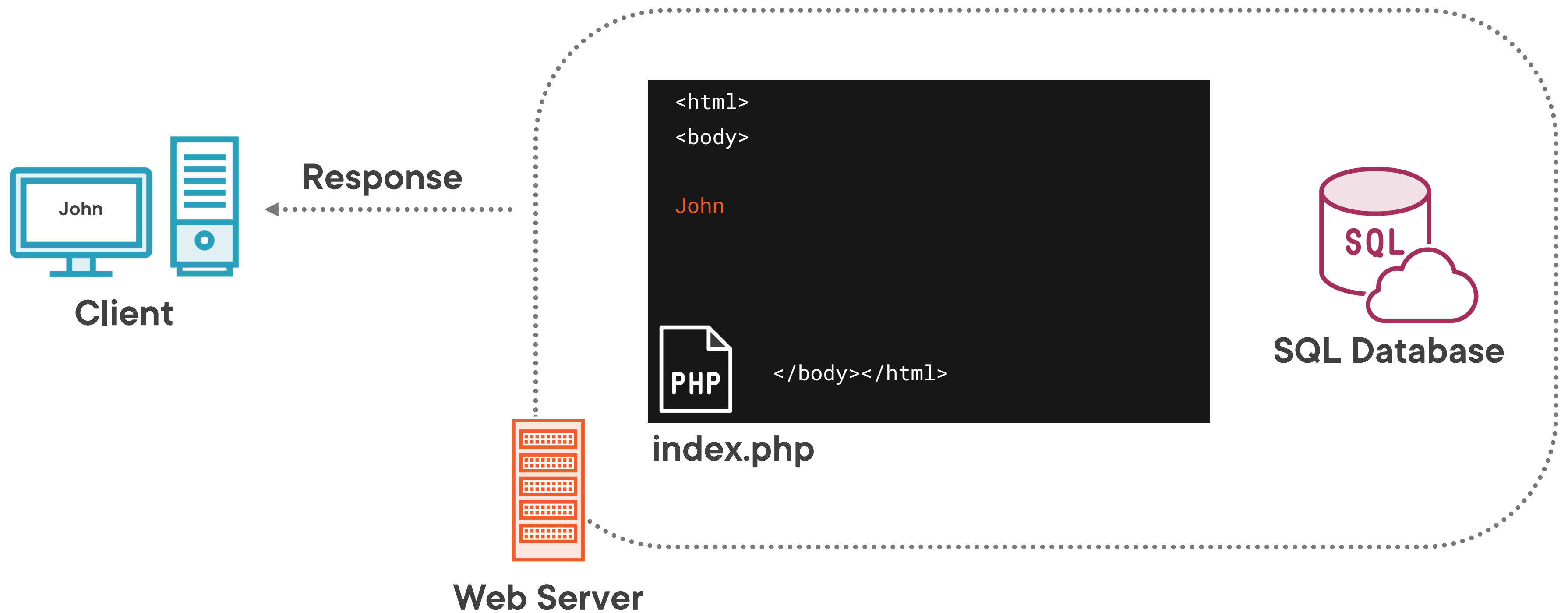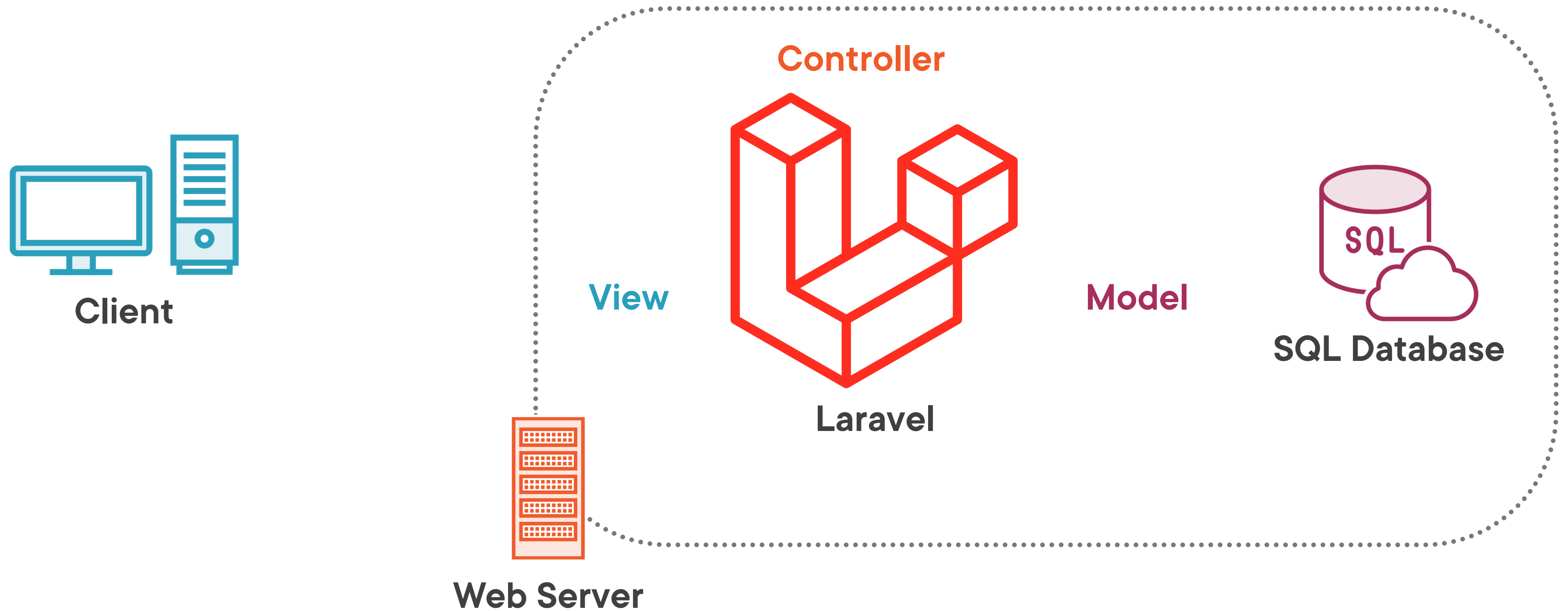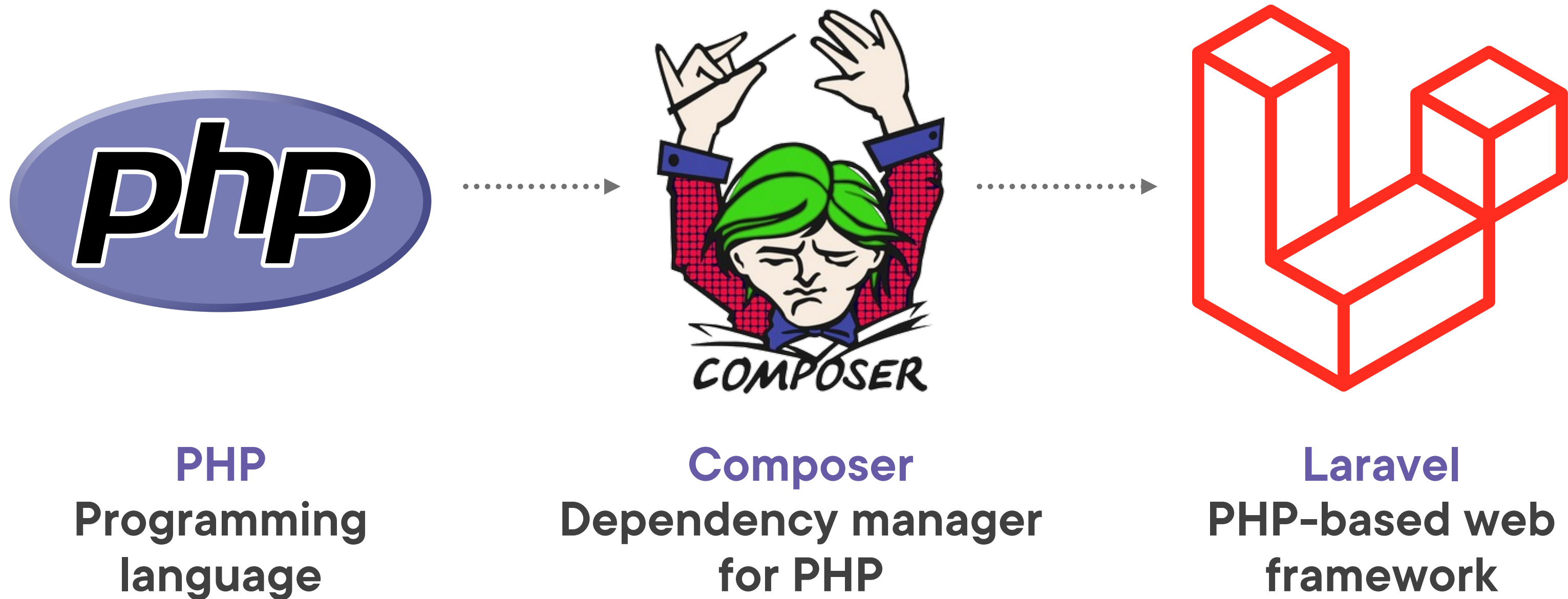
What is Laravel?

Scalable PHP-based web framework with expressive and elegant syntax

Provides structure for creating web applications

Largely based on the MVC (Model-view-controller) architecture

Laravel Installation

PHP
Programming
language

Composer
Dependency manager
for PHP

Laravel
PHP-based web
framework

Missing Files

.env   /vendor

Summary

Prerequisites

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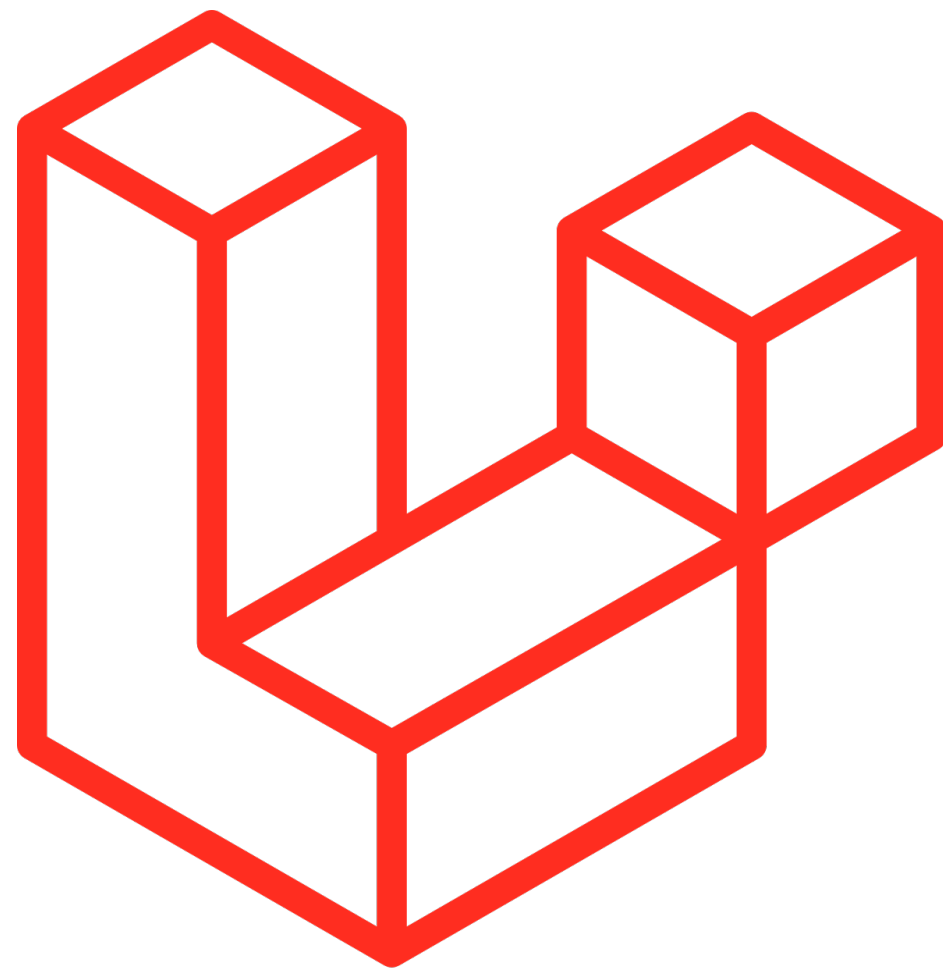**PHP**

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Object-oriented programming in PHP

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Basics of relational databases

What is Laravel?

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New Laravel Project

Create a new Laravel project

```
laravel new project-name
```

Start the local development server with Artisan CLI

```
php artisan serve
```

Using a Cloned Laravel Project

Install the dependencies with Composer

```
composer install
```

Create the .env file in the projects root directory

Generate a new APP_KEY with Artisan CLI

```
php artisan key:generate
```

Up Next:
Routing Requests to Blade Views