

## **INTERVIEW QUESTIONS**

1. WHAT IS LATEST LARAVEL VERSION ? The latest stable release of Laravel is version 11. It has been publicly available since March 12, 2024. Laravel 11 introduced numerous new features and changes

2. DEFINE COMPOSER? it's a dependency management tool for PHP. It helps manage packages (libraries, frameworks, etc.) that your Laravel application relies on.

You can use Composer to install Laravel itself and any additional packages you need for your project. It simplifies package installation and autoloading

3 WHAT IS AN ARTISAN ? Artisan is the command-line interface included with Laravel. It provides a set of helpful commands for various tasks during development.

You can use Artisan to create controllers, models, migrations, and more. It also includes features like Tinker (a powerful REPL for interacting with your Laravel application) and allows you to define custom commands

4. WHAT ARE DEFAULT ROUTE FILES IN LARAVEL ? All Laravel routes are defined in your route files, located in the routes directory.

The routes/web.php file defines routes for your web interface (assigned the web middleware group). You'll typically start defining routes here.

If you're building an API, Laravel also provides the routes/api.php file for stateless API routes (assigned to the api middleware group).

5. WHAT ARE AVAILABLE DATABASES SUPPORTED BY LARAVEL?Laravel provides first-party support for the following databases:

MariaDB (10.3+)

MySQL (5.7+)

PostgreSQL (10.0+)

SQLite (3.35.0+)

SQL Server (2017+)6.

You can configure your database connections in the config/database.php file. Each connection can have its own settings, such as host, username, and password

6. WHAT ARE MIGRATIONS IN LARAVEL? Migrations allow you to manage your database schema using code. They help create and modify database tables.

You define migrations as PHP classes, and Laravel's Artisan commands handle applying them to the database.

7. WHAT ARE MODELS? Models represent database tables and provide an abstraction layer for interacting with data.

They allow you to query and manipulate data using Eloquent, Laravel's ORM (Object-Relational Mapping).

Models define relationships between tables and encapsulate business logic

8. WHAT IS AUTH ? Laravel provides built-in authentication features through the Auth system.

You can easily set up user registration, login, and password reset functionality using Artisan commands and pre-built views.

Authentication is essential for securing your application and managing user access

9. WHAT IS TINKER IN LARAVEL ? Tinker is a REPL (Read-Eval-Print Loop) for Laravel. It allows you to interact with your entire Laravel application via the command line.

You can use Tinker to explore Eloquent models, run queries, and test code snippets.

To enter the Tinker environment, run `php artisan tinker`

10. WHAT ARE THE BASIC CONCEPTS IN LARAVEL? Laravel is a powerful PHP framework with features like routing, middleware, Blade templating, Eloquent ORM, and Artisan commands.

It promotes clean, expressive code, follows the MVC pattern, and provides robust tools for building web applications