

Module - 17) Php - Introduction Of Laravel Php Framework – Industry

1. What Is Laravel ?

Ans :

- Laravel is an open-source PHP framework, which is robust and easy to understand. It follows a model-view-controller design pattern.
- Laravel reuses the existing components of different frameworks which helps in creating a web application. The web application thus designed is more structured and pragmatic.

2. Advantages of Laravel ?

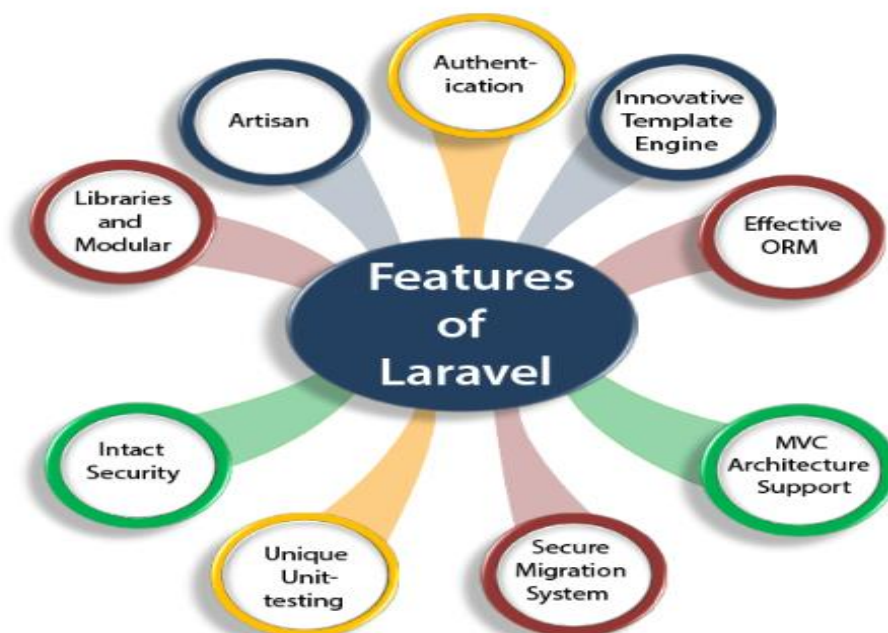
Ans :

- Creating authorization and authentication systems.
- Integration with tools
- Mail service integration
- Handling exception and configuration error
- Automation testing work
- Separation of business logic code from presentation code

3. Features of Laravel.

Ans :

Following are the features of Laravel:



4. Requirement for using Laravel Framework.

Ans :

- **PHP - 8.1 version of XAMPP or greater than**
- XAMPP is a free, open-source software package that lets you test and develop websites on a local server. It's a popular PHP development environment that's easy to install and use. XAMPP stands for:
 - X: Cross-platform
 - A: Apache Server
 - M: MariaDB
 - P: PHP
 - P: Per

Composer: Composer is a tool which includes all the dependencies and libraries. It allows a user to create a project with respect to the mentioned framework (for example, those used in Laravel installation). Third party libraries can be installed easily with help of composer.

All the dependencies are noted in composer.json file which is placed in the source folder.

5. What is Framework ?

Ans :

A framework is like a structure that provides a base for the application development process. With the help of a framework, you can avoid writing everything from scratch. Frameworks provide a set of tools and elements that help in the speedy development process. It acts like a template that can be used and even modified to meet the project requirements.

6. What is MVC ?

Ans :

The Model-View-Controller (MVC) framework is an architectural/design pattern that separates an application into three main logical components Model, View, and Controller.

Each architectural component is built to handle specific development aspects of an application. It isolates the business logic and presentation layer from each other.

7. Features of MVC

Ans :

- It provides a clear separation of business logic, UI logic, and input logic.
- It offers full control over your HTML and URLs which makes it easy to design web application architecture.
- It is a powerful URL-mapping component using which we can build applications that have comprehensible and searchable URLs.

Components of MVC

The MVC framework includes the following 3 components:

- Controller
- Model
- View