1. Define MVC architecture?

The Model-View-Controller (MVC) is an architectural pattern that separates an application into three main logical components: the model, the view, and the controller.The Model component corresponds to all the data-related logic that the user works with.The View component is used for all the UI logic of the application.Controllers act as an interface between Model and View components to process all the business logic and incoming requests, manipulate data using the Model component and interact with the Views to render the final output.

1. Define web Framework?

A web development framework is a set of resources and tools for software developers to build and manage web applications, web services and websites.

1. What is Laravel Framework?

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.

Laravel offers a rich set of functionalities which incorporates the basic features of PHP frameworks like CodeIgniter, Yii and other programming languages like Ruby on Rails. Laravel has a very rich set of features which will boost the speed of web development.

1. What is the latest Laravel version?

The latest version of Laravel (Laravel 10), released on 7th February 2023, offers several new features that enhance the performance, security, and functionality of web apps.

1. Define Composer?

A Composer is a tool that incorporates all the dependencies and libraries. It helps the client to create a project with respect to its specified system and project. Third-party libraries can be installed in a project effortlessly utilizing composer.

1. What is the templating engine used in Laravel?

Blade is the simple, yet powerful templating engine that is included with Laravel. Unlike some PHP templating engines, Blade does not restrict you from using plain PHP code in your templates.

1. What are available databases supported by Laravel?

Laravel has made processing with database very easy. Laravel currently supports following 4 databases −

* MySQL
* PostgreSQL
* SQLite
* SQL Server

1. What is an artisan?

Artisan is the name of the command-line interface included with Laravel. It provides a number of helpful commands for your use while developing your application.

1. How to make a controller in Laravel?

Open the command prompt or terminal based on the operating system you are using and type the following command to create controller using the Artisan CLI (Command Line Interface).

php artisan make:controller <controller-name>

1. How to make a model with migration in Laravel?

Open the command prompt or terminal based on the operating system you are using and type the following command to create model with migration using the Artisan CLI

Php artisan make:model <model name> -m

1. How to run a Laravel project?

Php artisan serve

1. How to put Laravel applications in maintenance mode?

To perform maintenance mode on Laravel, run the down Artisan command.

enable maintenance mode

php artisan down

disable maintenance mode

php artisan up

1. What are Relationships in Laravel?

Laravel relationships are:

One-To-One Relationship

One-To-Many Relationship

Has-One-Of-Many (e.g. the latest of many) Relationship

HasOneThrough and HasManyThrough Relationship

Many-To-Many Relationship

1. What is CSRF protection?

[Cross-Site Request Forgery (CSRF)](https://owasp.org/www-community/attacks/csrf) is a type of attack that occurs when a malicious web site, email, blog, instant message, or program causes a user's web browser to perform an unwanted action on a trusted site when the user is authenticated.

1. What is the use of the .env file?

A **.env** file or dotenv file is a simple text configuration file for controlling your Applications environment constants. Between Local, Staging and Production environments, the majority of your Application will not change.Common configuration changes between environments may include, but not limited to:

* URL’s and API keys
* Domain names
* Public and private authentication keys
* Service account names

1. What are the different types of framework in PHP?

Laravel Framework, CodeIgniter Framework, Symfony Framework ,Zend Framework, CakePHP Framework, Yii Framework etc…