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1) Explain MVC of Laravel?

Laravel is a free and open-source web PHP framework, which is based on MVC (Model-View-Controller) architecture.

A Framework provides structure and starting point for creating your application. It helps to provide an amazing developer experience while providing powerful features through dependency.

Laravel Framework is used to develop complex Web Applications. Laravel can help a developer to develop a secure web application. It is a Scalable framework and it also has a wide Community across the world.

Laravel is a Full Stack Framework, Which helps adeveloper create Full Stack Applications with the help of Laravel.

2) Explain Routing?

Routing is the process of selecting a path for traffic in a network or between or across multiple networks. Broadly, routing is performed in many types of networks, including circuit-switched networks, such as the public switched telephone network, and computer networks, such as the internet.

* A Router is a process of selecting path along which the data can be transferred from source to the destination. Routing is performed by a special device known as a router.
* A Router works at the network layer in the OSI model and internet layer in TCP/IP model.
* A Router is a networking device that forwards the packet based on the information available in the packet header and forwarding table
* The routing algorithms are used for routing the packets. The routing algorithm is nothing but software responsible for deciding the optimal path through which packet but can be transmitted.
* The routing protocols use the metric to determine the best path for the packet delivery. The metric is the standard of measurement such as hop count, bandwidth, delay, current load on the path, etc. used by the routing algorithm to determine the optimal path to the destination. The routing algorithm initializes and maintains the routing table for the process of path determination.

3) Explain Migration and Relationships?

Data Migration is the process of transferring data between data storage systems, data formats or computer systems. An organization can undertake a data migration project for numerous reasons, including when they’re doing the following:

* Replacing or upgrading servers or storage equipment,
* Moving data between third party cloud providers,
* Moving on-premises infrastructure to cloud-based services,
* Consolidating websites,
* Performing infrastructure maintenance,
* Migrating applications or databases,
* Installing software upgrades, and
* Moving data during a company merger or data center relocation.

The data migration process requires organization to prepare, extract and transform data and to follow a specified set plan.

4) Explain Blade Template Engine?

* Laravel Blade template engine enables the developer to produce HTML based sleek designs and themes. All views in Laravel are usually built in the blade template. Blade engine is fast in rendering views because it caches the view until they are modified. All the files in resources/views have the extension.
* 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.

5) Directives?

* Directives:- something that serves to direct, guide, and usually impel toward an action or goal. Especially, government: an authoritative order or instrument issued by a high-level body or official.