**Laravel Tutorials**

**Introduction of Framework:**

A framework in programming is a tool that provides ready-made components or solutions that are customized in order to speed up development. A framework may include a library, but is defined by the principle of inversion of control (IoC). With traditional programming, the custom code calls into the library to access reusable code. With IoC, the framework calls on custom pieces of code when necessary.

Laravel:

Laravel is a powerful MVC PHP framework, designed for developers who need a simple and elegant toolkit to create full-featured web applications. Laravel was created by Taylor Otwell. This is a brief tutorial that explains the basics of Laravel framework.

Prerequisites:

* HTML
* CSS
* JS
* PHP
* OOP
* Advance PHP
* Framework

**Advantage of Laravel:**

Laravel offers you the following advantages, when you are designing a web application based on it −

* The web application becomes more scalable, owing to the Laravel framework.
* Considerable time is saved in designing the web application, since Laravel reuses the components from other framework in developing web application.
* It includes namespaces and interfaces, thus helps to organize and manage resources.

**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.

**Artisan**

Command line interface used in Laravel is called **Artisan**. It includes a set of commands which assists in building a web application. These commands are incorporated from Symphony framework, resulting in add-on features in Laravel 5.1 (latest version of Laravel).

**Feature of Laravel:**

* Modularity
* Testability
* Routing

### Configuration Management

### ORM

### Template Engine

### E-mail

### Authentication

**Downloading and Installing Laravel:**

We need 3 things in this laravel installation.

1. Wamp Server / Xampp Server / Mamp Server
2. Composer (Dependency Manager for PHP)
3. Visual Studio

Check the Installation is completed?

**CMD:**

php –v

composer

**Laravel Install using Composer:**

composer global require laravel/installer

**For Creating Laravel Project:**

Create a Project in **httocs**

laravel new projectname

**Run Command:**

php artisan serve