



Core PHP



About Course

Core PHP is the foundation programming language of all PHP frameworks, including Laravel. Web application development through Core PHP can enable creating an exceptionally dynamic application that can test the limits of web development possibilities

CORE PHP

CURRICULUM

1

HTML

Introduction To HTML

Structure of HTM

Attributes & Values

Comments , Header Tags

Image Tag

Link Tags (Text & Image)

Marquee Tag

List Tag (Ordered & Unordered)

Table Tag

Form Tags

Audio ,Video Tags

About Iframe

Embedding of Google Maps ,You tube videos

BlockLevel and Inline Elements

DIV Tag

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HTML 5

Header, Footer, Nav, Section, Article, Aside

New Form Elements

3 Style Sheet

Types of style sheet
About CSS Selectors
About CSS Properties
Background Properties
Box Properties
Border Properties
Positioning Properties
CSS Menu Design
CSS Animation

4 Bootstrap

Introduction to Responsive Design
Introduction to Bootstrap
Bootstrap Grid System
Grid Classes
Equal Columns , Unequal Columns
Layout Creation

5 Creating a Web Layout using Div's , CSS & Bootstrap

PHP language building blocks

Comparing PHP with other Web scripting languages or technology

Installation of PHP

PHP delimiters

Variable initialization with PHP

PHP Data types

PHP Constants

PHP Operators

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Conditional Statements

If else

If else if else

Nested If

Switch Case

Jump Statements (Break , Continue , Exit)

7

Looping (Iteration)

For loop

While loop

Do while loop

Nested Loop

8

Introducing ARRAY

How to use an important programming construct: arrays
Numerically Indexed arrays
Non-Numerically Indexed arrays (Associative Array)
Multidimensional arrays
Array sorting

9 Manipulation user input

Presenting the user with input options via different HTML form elements
Retrieving form data with `$_POST`, `$_GET` and `$_REQUEST` arrays
Preserving Data in Form inputs

10 Reusing Code and Functions

Introducing Functions
Defining functions
Using parameters
Understanding scope
Returning values
Call By Value & Call By reference
Reusing Codes
Implementing recursion
Using `Require()` and `include()`

Array , String , Math , Date functions Super Global Array Variables

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JavaScript

**Introduction to JavaScript
Variable , Operators , Conditions**

Looping and Array

Introduction to functions

Popup Boxes (Alert ,Confirm ,Prompt)

Introduction to functions

Form Handling

DOM Manipulation

Pre- defined functions

Introduction to Objects

What is property and methods

String , Math , Navigator , Date ,Array , Window Objects

Introductions to object based technology

Class , object , property , inheritance

Client Side Validation (Regular Expression)

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Introducing with the file system and the Server

Saving data for later using le system

Opening a file Creating and Writing to a file

Creating and Writing to a file
Closing a file
Reading from file
Deleting a file
Using other useful file functions
Create a directory
Remove a directory

13 File Uploading & Downloading

File uploading Concepts
Multiple File Upload
Downloading file from server using header

14 String Manipulation and Regular Expression

Formatting , Joining ,splitting , comparing strings
Introducing Regular Expression
REGEX Implementation.

15 State Management

Session, Cookie , Query String
What Session Control is?
Understanding Basic Session Functionality
Starting a Session

16

MySQL Database

Relational Database Concept and technology

Web Database Design

Web Database Architecture

Creating a MySQL Database

Creating Database Tables

Column Data Types

Implementing Insert/Delete/Update and select Query

Aggregate Functions

Having and Group By Clause

Joining Table

Implementing Primary key, Unique Key,

Composite key, foreign key, default constraint etc.

Joining Table

Dropping Tables and Databases

Introduction to Phpmyadmin

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Database Connection

Mysqli connectivity

Procedural Connectivity

Object Oriented Connectivity

PDO (Php Data Object) Connectivity

18

Jquery with AJAX

jQuery introduction

jQuery Selectors , events , DOM , animations

jQuery accordions, carousel, tab

jQuery conflict

Ajax Implementation

CRUD Operation with AJAX

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Object Oriented PHP

Object oriented concepts

Classes, objects and operations

Class attributes

Access Modifier

Constructor & Destructor

Inheritance

Static method

Type Hinting

Object Cloning

Abstract class

Final keyword

Inheritance

Implementing interface

Understanding Advance and New Object

Oriented functionality

Magic functions with PHP

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Advance PHP Techniques

Implementing Captcha

PDF Generation

Excel or CSV Generation

Email with PHP

Implementing Pagination

SQL Injection

Web Services with JSON

Payment Gateway Integration

Http Headers & Output Buffering

Error tracking and debugging

Exception Handling

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Web Hosting

Manage Domain with name server

Manage Web Hosting from FTP and CPANEL

Managing Database, Email Accounts, Sub Domains etc.

Live your project.

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Developing a dynamic web application

Frontend Using Bootstrap & templates

Backend Using Templates



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