

Core PHP

Objective: To write the web based application using PHP

Pre-requisites: To know the basic fundamentals of programming language

Session 1 (Working with HTML)

- Introduction to HTML, HTML Editors, Elements, Attributes
- Heading, Paragraphs, Styles, Formatting, Comments, Colors
- Links, Images, Tables, Lists, Blocks, Classes, Id
- HTML Forms Control, HTML Input Types
- HTML Media, Video, Audio, Plug-ins, YouTube

Session 2 (Working with CSS)

- CSS Introduction, Syntax, Selectors, Colors, Backgrounds, Borders
- Margins, Padding, Height/Width, Box Model, Outline, Text, Fonts
- Icons, Links, Lists, Tables, Display, Max-width, Position, Overflow
- Float, Inline-block, Align, Pseudo-class, Pseudo-Element
- Opacity, CSS Navigation Bar, Dropdowns, Image Gallery
- CSS Forms, CSS Website Layouts

Session 3 (Working with JavaScript)

- JS Introduction, Syntax, Comments, Variables, Operators, Arithmetic
- Assignment, Data Types, Functions, Objects, Events, Strings, String Methods
- Numbers, Number Methods, Arrays, Array Methods
- JS Booleans, Comparisons, Conditions, Switch, For, While Loop, Break
- Type Conversion, JS Window, Screen, Location, History, Navigator
- Popup Alert, Timing and Cookies

Session 4 (Working with Bootstrap)

- Introduction to Bootstrap 4, Containers, Grid Basic, Typography, Colors
- Tables, Images, Jumbotron, Alerts, Buttons, Button Groups, Badges, Progress Bars
- Spinners, Pagination, List Groups, Cards, Dropdowns, Collapse, Navs, Navbar
- Forms, Inputs, InputGroups, Custom Forms, Carousel, Modal, Tooltip, Toast

Session 5 (Working with PHP Fundamentals)

- Introduction to PHP, Basic Syntax, Comments, Variables

- Echo/Print, Data Types, Strings, Numbers, Constants, Operators
- If...Else...Elseif, Switch, Loops, Functions, Arrays, Superglobals

Session 6 (PHP Forms)

- Form Handling, Form Validation
- Form Required, Form URL/Email
- PHP Form Complete

Session 7 (More on PHP)

- Working with Date and Time
- File Handling, File Open/Read, Create/Write, File Upload
- PHP Cookies, PHP Sessions, PHP Filters, PHP JSON

Session 8 and 9 (Working with MySQL Database)

- MySQL Database, Connect, Create DB, Create Table
- Insert Data, Get Last ID, Insert Multiple, Prepared
- Select Data, Where, Order By
- Delete By, Delete Data, Update Data, Limit Data

Session 10 (Working with AJAX and JQuery)

- Introduction to AJAX, XMLHttpRequest, AJAX Request
- AJAX Response, AJAX with PHP
- AJAX with Database
- AJAX with JQuery

Session 11 (Working with JSON)

- Introduction to JSON, JSON Data Types
- JSON Objects, JSON Arrays, JSON Parsing
- JSON with PHP
- JSON vs XML with Example

Session 12 (Working with APIs)

- Introduction to Web Services
- How to write API in PHP
- How to call and fetching data from database
- CRUD Operation with PHP APIs

Session 13 (Working with PHP Projects)