PHP

PHP Course Overview

PHP is a widely-used general-purpose scripting language that is especially suited for Web development and can be embedded into HTML.

- PHP can generate dynamic page content
- PHP can create, open, read, write, and close files on the server
- PHP can collect form data
- PHP can send and receive cookies
- PHP can add, delete, modify data in your database
- PHP can restrict users to access some pages on your website
- PHP can encrypt data

With PHP you are not limited to output HTML. You can output images, PDF files, and even Flash movies. You can also output any text, such as **XHTML** and **XML**.

PHP Training Course Prerequisite

- [HTML](#)
- CSS
- [Javascript](#)

Objectives of the Course

- PHP runs on different platforms (Windows, Linux, Unix, Mac OS X, etc.)
- PHP is compatible with almost all servers used today (Apache, IIS, etc.)
- PHP has support for a wide range of databases
- PHP is free. Download it from the official PHP resource: www.php.net
- PHP is easy to learn and runs efficiently on the server side

PHP Training Course Duration

- 45 Working days, daily 1.30 hours

PHP Training Course Overview

An Introduction to PHP

- History of PHP
- Versions and Differences between them
- Practicality
- Power
- Installation and configuring Apache and PHP

PHP Basics

Default Syntax

PHP

- Styles of PHP Tags
- Comments in PHP
- Output functions in PHP
- Datatypes in PHP
- Configuration Settings
- Error Types

Variables in PHP

- Variable Declarations
- Variable Scope
- PHP's Superglobal Variables
- Variable Variables

Constants in PHP

- Magic Constants
- Standard Pre-defined Constants
- Core Pre-defined Languages
- User-defined Constants

Control Structures

- Execution Control Statements
- Conditional Statements
- Looping Statements with Real-time Examples

Functions

- Creating Functions
- Passing Arguments by Value and Reference
- Recursive Functions

Arrays

- What is an Array?
- How to create an Array
- Traversing Arrays
- Array Functions

Include Functions

- Include, Include_once
- Require, Require_once

Regular Expressions

- Validating text boxes,emails,phone number,etc

PHP

- Creating custom regular expressions

Object-Oriented Programming in PHP

- Classes, Objects, Fields, Properties, _set(), Constants, Methods
- Encapsulation
- Inheritance and types
- Polymorphism
- Constructor and Destructor
- Static Class Members, Instance of Keyword, Helper Functions
- Object Cloning and Copy
- Reflections

PHP with MySQL

- What is MySQL
- Integration with MySQL
- MySQL functions
- Gmail Data Grid options
- SQL Injection
- Uploading and downloading images in Database
- Registration and Login forms with validations
- Pagging, Sorting,…..

Strings and Regular Expressions

- Declarations styles of String Variables
- Heredoc style
- String Functions
- Regular Expression Stntax(POSIX)
- PHP's Regular Expression Functions(POSIX Extended)

Working with the Files and Operating System

- File Functions
- Open, Create and Delete files
- Create Directories and Manipulate them
- Information about Hard Disk
- Directory Functions
- Calculating File, Directory and Disk Sizes

Error and Exception Handling

- Error Logging
- Configuration Directives
- PHP's Exception Class
- Throw New Exception
- Custom Exceptions

PHP

Date and Time Functions

Authentication

- HTTP Authentication
- PHP Authentication
- Authentication Methodologies

Cookies

- Why Cookies
- Types of Cookies
- How to Create and Access Cookies

Sessions

- Session Variables
- Creating and Destroying a Session
- Retrieving and Setting the Session ID
- Encoding and Decoding Session Data
- Auto-Login
- Recently Viewed Document Index

Web Services

- Why Web Services
- RSS Syntax
- SOAP
- How to Access Web Services

XML Integration

- What is XML
- Create a XML file from PHP with Database records
- Reading Information from XML File

MySQL Concepts

- Introduction
- Storage Engines
- Functions
- Operators
- Constraints
- DDL commands
- DML Commands
- DCL Command
- TCL Commands
- Views
- Joins
- Cursors

PHP

- Indexing
- Stored Procedures
- Mysql with PHP Programming
- Mysql with Sqlserver(Optional)

SPECIAL DELIVERY

- Protocols
- HTTP Headers and types
- Sending Mails using PHP
- Email with Attachment
- File Uploading and Downloading using Headers
- Implementing Chating Applications using PHP
- and Ajax
- SMS Gateways and sending SMS to Mobiles
- Payments gateways and How to Integrate them

With Complete

- MVC Architecture
- DRUPAL
- JOOMLA
- Word Press
- AJAX
- CSS
- JQUERY (Introduction and few plugins only)