

PHP Course Content

Introduction to PHP

History of PHP

PHP Versions and differences between them

Installation and configuring Apache & PHP

PHP Basics

- Default Syntax
- 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 Realtime Examples

Functions

- Creating Functions
- Passing Arguments by Value
- Passing Arguments by 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 textboxes, emails, phone number, etc
- 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

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ADVANTO

S O F T W A R E

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
- Paging, Sorting.

Strings and Regular Expressions

- Declarations styles of String Variables
- Heredoc style
- String Functions
- Regular Expression Syntax(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

Date and Time Functions Authentication

- HTTP Authentication
- PHP Authentication
- Authentication Methodologies

Cookies

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

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
- DCL Command
- TCL Commands
- Views
- Joins
- Cursors
- 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 Chatting Applications using PHP and Ajax
- SMS Gateways and sending SMS to Mobiles
- Payments gateways and How to Integrate them

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