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PHP with My SQL

Web Application Development Introduction to PHP & MySQL Evaluation of PHP Features of PHP PHP Versions & Comparisons Installation & Configuration WAMP, LAMP, MAMP, XAMPP PHP Project Development using IDEs

PHP Basics

➡ Introduction to Scripting
➡ PHP Program Structure
➡ Basic PHP Syntax
➡ Configuration Settings
➡ Output functions in PHP
➡ Comments in PHP

Variables

➡ Variable Declarations
➡ Variable Scopes
➡ Data Types
➡ Variable Manipulations
➡ String Variables
➡ Heredoc Style
➡ Nowdoc Style
➡ Variable-Variables
➡ Reference Variables
➡ Constant Variables
➡ Magic Constants
➡ Errors Types in PHP
➡ Operators
➡ Making Decisions
➡ Condition Statements
➡ Control Statements
➡ Case Studies

Arrays

➡ Anatomy of an Array
➡ Creating index based & Associative Array
➡ Accessing Array Element
➡ Looping with index based array
➡ Looping with associative array using each() and foreach()
➡ Array Functions

Web Application Development

➡ Handling HTML form with PHP
➡ PHP Forms & Validations
➡ Super Global Variables of PHP
➡ Capturing Form data
➡ Dealing with Multi value fields
➡ Redirecting a form after submission

Functions

➡ What is a function?
➡ Define a function
➡ Functions Passing & returning arguments
➡ Call by Value
➡ Call by reference

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➡ Function overloading
➡ Local & Global Variables
➡ Static Variables
➡ Recursive Functions

Built-in Functions

➡ Built-in Functions
➡ Date Functions
➡ String Functions
➡ Working with Files & Directories
➡ Understanding file & directory
➡ Opening and closing a file
➡ Copying, renaming, deleting a file
➡ Working with directories
➡ File Functions
➡ Directory Functions
➡ File Uploading & Downloading

Server Side Includes

➡ include() & include_once()
➡ require() & require_once()

Authentication Methodologies

➡ HTTP Authentication
➡ PHP Authentication

Session Tracking/ State Management

➡ Need for State Management
➡ Session Tracking using Hidden form fields
➡ Session Tracking using query string (URL rewriting)

➡ Session Tracking using Cookies
➡ Session Tracking using PHP Session
➡ Encoding & Decoding Session Data
➡ Recently viewed document index
➡ Login Module in Project

String matching with Regular

➡ Expressions
➡ What is Regular Expression
➡ Pattern Matching in PHP
➡ Replacing text
➡ Splitting a string with regular Expression
➡ Validating text box values
➡ Validating emails, phone number etc
➡ Creating custom regular expressions

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Generating Images with PHP

➡ Basics of Computer Graphics
➡ Creating Image
➡ Manipulating Image
➡ using text in Image

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Object Oriented Programming in PHP

- Introduction
- Class & Objects
- Attributes & Methods
- Declaring a class
- Encapsulation
- new Keyword
- private, protected and public properties & methods
- Constructors & Destructors
- Instance of operator
- Overloading Member Functions
- Inheritance
- Polymorphism
- Overriding Members
- parent:: & self:: keywords
- Static & Constant Members
- Scope Resolution Operator
- Helper Functions
- Abstract Class
- Interfaces
- Object Iteration
- final Keyword
- Object Cloning
- Object Serialization
- Reflections

Exception Handling

- Understanding Exception & Error
- Configurations

- PHPs Exception class
- try…catch..throw
- User-defined Exceptions
- Server Side Validations
- using PHP Filters

E-mail Services

- Email Protocols
- Mail Servers
- Sending email using sendmail
- Working with PHP Mailer
- Working with Swift Mailer
- Sending an Email with Attachment

Using PHP from the Command Line PHP Zip file functions Google Maps API

My SQL

- Introduction to DBMS & RDBMS
- Introduction to MySQL Database
- Database Creation
- SQL
- DDL Commands
- DML Commands
- DRL Command
- TCL & DCL Commands
- Storage Engines
- MySQL Data Types
- Constraints Working with MySQL in the Backend
- Working with phpMyAdmin

- PHP functions to work with MySQL
- Performing CRUD operations
- Working with Large Objects
- Storing Images in Database
- Aggregate Functions
- Sub-queries
- Functions in MySQL
- Stored Procedures in MySQL
- Cursors
- Indexing in MySQL
- Joins
- Views
- SQL Injection
- Pagination, Sorting etc Using ODBC & OCI functions
- MySQL Vs MySQLi in PHP
- PHP Data Objects (PDO) Interface

Joomla

- Content Management System Types of CMS
- Installation
- Setting up a JOOMLA Site Create Articles
- Template Manager Change the Template Custom Templates
- Create Menus in Joomla Site Module Manager
- Login Page
- User Administration Search Module
- Breadcrumb, Statistics
- Who's Online, Wrapper Modules

- Integrate a Banner & Contacts Integrate Web Links
- Integrate Captcha-reCaptcha JOOMLA Components
- Plug-in Manager
- Extended Modules & Plugins into Joomla Site
- Live Support
- Simple Image Gallery Google Maps
- PHP code in Joomla Site Other extended modules
- Backing up and /or Restoring JOOMLA Site
- Custom Modules

Wordpress

Foundations of a WordPress-based website

- Understanding and Using domain names
- WordPress Hosting Options
- Installing WordPress on a Dedicated Server
- Understanding Directory Permissions

Basics of the WordPress User Interface

- Understanding the WordPress Dashboard
- Pages, Tags, Media and Content Administration
- Core WordPress Settings

Finding and Using WordPress Plugins

➡ Finding and Installing Plugins Quickly and Easily

➡ Upgrading WordPress Plugins

➡ Recommended WordPress Plugins

Working with WordPress Themes

➡ Understanding the Structure of WordPress Themes

➡ Finding Themes and Choosing the Right One

➡ Installing and Configuring Themes

➡ Editing and Customizing Themes

➡ Using Theme Frameworks and Parent-Child Themes

➡ Theme Best Practices

WordPress Content Management

➡ Understanding Posts Versus Pages

➡ Organizing Posts with Categories

➡ Connecting Posts Together with Tags

➡ Custom Post Types and Custom Taxonomies

➡ Managing Lists of Links

Creating and Managing Content

➡ Hands-On Training on the WordPress Editors

➡ Hands-On Training on the New Image Editor

➡ Adding Video and Audio Media to a Word Press Site

Word Press based Sites

➡ Word Press as a Blog vs. Word Press as a Website