



HEADSTAR TECHNOLOGIES

PHP/PHP++

THE ORIGIN OF PHP

- How PHP works with the Web Server
- Hardware & Software requirements
- PHP script looks like, Saving data for later
- Receiving user input, Repeating code

HTML

- HTML basic tags, Form

JAVASCRIPT

- Variable, Message Box, Form Validation with Javascript

BASIC PHP DEVELOPMENT

- How PHP scripts work, Basic PHP syntax
- PHP data types, Displaying type information
- Testing for a specific data type
- Changing type with Set type, Operators
- Variable manipulation
- Dynamic variables, String in PHP

ARRAYS/STRING

- Single-Dimensional & Multidimensional Arrays
- Getting the size of an array & Examining arrays
- Array function, Sorting arrays, string functions

FUNCTIONS

- What is function, Defining a function
- Returning value from function
- User-defined & Dynamic function calls
Variable scope
- Accessing variable with the global statement
- Function calls with the static statement
- Setting default values for arguments

WORKING WITH FORMS

- Forms, Super global variables
- The server array
- A script to acquire user & Importing user input
- Accessing user input
- Combine HTML & PHP code
- Using hidden fields, Redirecting the user

WORKING WITH DATABASE

- Mysql Introduction
- Mysql Insert, Delete, Update
- Mysql Order By, Group By
- Join, Having, Key attributes

DATABASE ACCESS WITH PHP

- Connecting & Creating a database query
- Displaying, Inserting
- Deleting, updating data
- Closing database connections, searching

COOKIES AND SESSION MANAGEMENT

- How cookies & Sessions work
- Controlling a Session, Using a Named Session
- Cleaning up after a Session

ACCESSING FILES AND DIRECTORIES

- Opening, Reading Writing & Closing files

- Reading directory contents

UPLOADING/DOWNLOADING FILES

- How uploading works
- Configuring PHP for uploading
- Modifying Forms to allow uploading
- Error codes for file uploads
- Security considerations

CLASSES AND OBJECTS

- CRUD operations through OOPS

ERROR HANDLING AND DEBUGGING

- Sources of errors, how errors are output
- PHP error codes, working with errors
- Php.ini settings for Error handling
- Debugging techniques

PHP ADD-ON

- JQuery
- AJAX Techniques, JSON

INTRODUCTION TO JOOMLA

- Content Management System Overview

SETTING UP A JOOMLA SITE

- Installing Joomla
- Downloading the Joomla
- CMS, Extracting the Joomla
- Files, Adding a New Article
- Editing the Main Menu, Removing Modules
- Unpublishing Whole Menus
- Changing the Frontpage Logo Graphic

ADDING CONTENT

- Joomla! Sections & Categories
- Deleting Sample Articles
- Categories & Sections
- Adding New Categories & Sections

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

INTRODUCTION OF MVC (CAKE/CODEIGNITER)

- MVC Architecture
- MVC Definition
- Implementation of MVC with CakeCodeIgniter