



PHP Programming

Duration: 3 Days **Course Code: PHP** **Delivery Method: Virtual Learning**

Overview:

The PHP Programming course is designed to give delegates the knowledge to develop/maintain PHP scripts.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

Programmers who need to write or maintain scripts in PHP.

Objectives:

- Knowledge of PHP to write, maintain and understand PHP scripts.
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Prerequisites:

Delegates attending this course should be able to define general programming concepts including compilation and execution, variables, arrays, sequence, selection and iteration, navigate the filesystem (on the command line ideally), edit and save text files and browse the web. This knowledge can be obtained by attendance on the pre-requisite Introduction to Programming course.

Follow-on-Courses:

- PHP & MySQL for Web Development (PHPMWD)
 - Apache Web Server (APH)
 - Introduction to MySQL (MYSI)
 - Perl Programming (PERL)
 - Ruby Programming (RUBYP)
 - Ruby on Rails (RUBYR)
 - Python Programming 1 (PYP1)
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Content:

PHP Programming Training Course Course Contents - DAY 1

Course Introduction

- Administration and Course Materials
- Course Structure and Agenda
- Delegate and Trainer Introductions

Session 1: PHP LANGUAGE BASICS

- Programming Basics
- Comment markers
- PHP Tags
- Output Commands
- Using STDIN STDOUT and STDERR
- Using Files
- Include_path
- Opening files
- Reading files
- Writing to Files
- RTRIM
- Operators
- Assignment Operators
- Increment/Decrement Operators
- Arithmetic Operators
- String Operators
- Comparison Operators
- Logical Operators

Session 2: PHP VARIABLES AND ARRAYS

- Naming Rules
 - Data Types
 - Numerical
 - Integer
 - Floating Point Numbers
 - Floating Point Precision
 - Single Quoted Strings
 - Double Quoted Strings
 - Creating and Assigning Variables
 - Assigning Values to Variables
 - Type Conversion
 - Super Globals
 - Constants
 - Variable Variables
 - Creating/modifying indexed and associative arrays
 - Multi-Dimensional arrays
 - Using array functions
 - Sorting an array
- PHP
Programming Training Course Course Contents - DAY 2

Session 3: CONTROL STRUCTURES

- Statement Blocks
- If Construct
- Else Keyword
- Elseif Keyword
- Switch
- Looping Constructs
- While Loop
- Do-while Loop
- For Loop
- Foreach Loop
- Loop Control Words
- Break
- Continue

Session 4: PHP FUNCTIONS

- Overview
- Variable Scoping
- Global Keyword
- Static Keyword
- Argument Passing by Value
- Argument Passing by Reference
- Returning Values
- Including External PHP Functions
- Conditionally Created Functions
- Functions Created Inside Functions

Session 5: REGULAR EXPRESSIONS

- Meta-Characters
 - Sequences
 - Sets
 - Pattern Matching with ereg and eregi
 - Pattern Matching with preg_match
 - Splitting Text - preg_split
 - Replacing Text - preg_replace
- PHP Programming Training Course
Course Contents - DAY 3

Session 6: PHP OBJECT ORIENTED

- PHP Object Orientated Concepts
- Creating Classes and Objects
- Constructor and Destructor functions
- Inheritance
- Access Modifiers

Session 7: PHP ; PEAR

- What is PEAR?
- Command Line Package Installer
- Fully-Automatic Installation
- Semi-Automatic Installation
- What is PECL?

Session 8: PHP ; HTML

- HTML/PHP Examples

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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