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## PHP level 1 course content (5-day)

### **Course Description**

PHP is a computer scripting language originally designed for producing dynamic web pages. The name PHP is a recursive acronym for PHP: Hypertext Pre-processor. The PHP course teaches you the foundations of PHP programming that will enable you to develop dynamic webpages.

### **Target Audience**

The PHP course targets Programmers and Developers who would like to gain the knowledge in developing dynamic webpages.

### **Prerequisites**

HTML and basic programming skills.

## **Course Outline:**

### **Introduction**

- PHP and how it works
- Server-side technology structures
- Your first PHP page
- PHP structure

### **Variables and identifiers**

- Working with Identifiers
- Variables, String, Number
- Math operators
- Using constants
- String functions
- Shorthand operators
- Using Expressions
- Using variables and variable scope

### **Conditional structures**

- Control structures
- Logic and relational operators
- Using 'If', 'Else if' and 'Else'
- Switch operator
- Comparison operators
- Conditional operators

### **Loops**

- Using the While loop
- Break statements
- Continue statements
- Using 'do...while', 'for', 'foreach'

### **Functions**

- Creating your own functions
- Calling a function
- Using arguments
- Return statements and static statements
- Scope of variables
- Optional arguments
- Dynamic, built-in and data functions

## **Arrays**

- Array assignments
- Array functions

## **Form validation**

- Validating mandatory information
- User friendly validation techniques
- Using the setcookie function
- Data functions
- String functions

## **Advanced forms**

- Working with drop down menus
- Checkboxes and radio buttons
- Comparison functions
- Using Strcmp()
- Using Strcasemp() HTTP
- HTTP basics
- Headers
- Environment variables

## **Utilizing cookies**

- When to use cookies
- Setting cookies
- Reading cookies
- Deleting cookies

## **Session variables**

- Setting sessions
- Storing session variables
- Reading sessions
- Deleting sessions

## **Email function**

- Creating auto-responder
- Using email to accept simple on-line orders

**Built in functions**

- Include()
- Require()
- Include\_once()
- Require\_once()

## PHP level 2 course content (2-day)

**Course Description**

This course covers advanced design techniques in PHP and the integration of PHP with AJAX using jQuery and SQL. The use of Object oriented programming (oop) and exceptions in PHP, will make your code more easily reusable.

**Target Audience**

PHP programmers, web masters, web developers.

**Prerequisites**

Have attended our PHP course, or able to demonstrate PHP proficiency

## **Course Outline**

### **Classes in PHP**

- Using class and a namespace
- Variable declaration in PHP
- Access Modifiers

### **Objects**

- Creating your first object
- Examining state in objects
- Constructors

### **Inheritance**

- Using Inheritance
- Overriding
- Modifiers

### **Exceptions**

- Catching Exceptions
- Built-in Exception Classes
- Custom Exceptions

### **Using Ajax and jQuery**

- In this section we create a dynamic CRUD (Create Update Delete on an SQL database) application using PHP classes, jQuery and AJAX.