



## Building A (CMS) using PHP and MySQL

Duration: 18 Hours

### 1. Introduction

1. Welcome
2. Understanding What You Need to Know?
3. Installing PHP5.4 on Windows
4. Installing PHP5.4 on Linux

### 2. PHP-Hypertext Pre Processor

1. History Of PHP
2. Advantages Of PHP as a Server Side Scripting
3. The Text Editor
4. Introduction to PHPMYAdmin
5. Configuration Information using phpinfo()
6. First PHP Program "Hello World"

### 3. PHP-Building Blocks

1. Comments in PHP
2. Variables in PHP
3. Data types in PHP
4. Scalar Data types
5. Composite Data types
6. Introduction to Strings
7. Integers & Floating Point Numbers
8. Boolean and NULL
9. Arrays and Objects
10. Typecasting
11. Constants in PHP

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#### 4. Control Structures in PHP

1. Conditional Statement- If
2. Conditional Statement- Else and Else if
3. If-else if-end if framework Model
4. Logical Operators and Booleans
5. Switch Statements

#### 5. Iterating Code Blocks using Loops

1. While Loops
2. Do-While Loops
3. for Loop
4. for each Loop
5. Break Statement
6. Continue Statement

#### 6. Functions in PHP

1. Defining a user defined functions
2. Function name - General guidelines
3. Calling the functions
4. Returning Values from the functions
5. Local and global variables
6. Static variables inside the functions
7. Default values to the arguments
8. Argument Independent Functions

#### 7. Error Handling and Trouble Shooting in PHP

1. Error Reporting in PHP
2. E\_NOTICE, E\_WARNING, E\_FATAL Errors in PHP
3. Setting Error Flags in php.ini file
4. Debugging PHP scripts

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## 8. Introduction to Forms

1. Links and URI's
2. Introduction to Super Global Variables
3. GET Super Global Variable
4. POST Super Global Variable
5. Encoding GET and POST Values
6. Forms in PHP
7. Introduction to COOKIE
8. Creating, Accessing, Deleting Cookie Values
9. Introduction to Session
10. Creating, Accessing, Deleting Session Values
11. Including Files with Include(), require()
12. include\_once(), require\_once()
13. Page redirection using header()

## 9. Introduction to Database - MYSQL

1. Introduction to MySQL
2. Introduction to PHPMYADMIN
3. Database Creation in MySQL
4. Connecting PHP with MYSQL
5. Accessing MySQL Data using PHP

## 10. Content Management System

1. Introduction to CMS
2. Creating CMS Database
3. Introduction to Relational Database
4. Creating a First Page
5. Connecting the site with Database
6. Creating Dynamic Navigation
7. Creating Links to your Navigation
8. Rendering HTML Based on Selection

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## 11. Create Read Update Delete

1. Searching a Subject in the Database
2. Searching a Page in the Database
3. Creating a page
4. Developing a Subject Form
5. Inserting Subjects
6. Security & Escaping Values for MySQL
7. Form Validations
8. Single Page Form Submission
9. Sending Form Results
10. Deleting a Subject

## 12. Creating Public Context

1. The Public View
2. Links and Navigation for Public Context
3. Maintaining a Default Subject Behaviour
4. Encoding the String
5. Encryption
6. Developing Login System
7. Assigning Authorization
8. Maintaining User States using Session
9. Creating Logout Page
10. Final Touch to the App

## 13. Conclusion

1. QA
2. Resources & Links
3. Feedback