

About Codefrux

While the current trends around the world are based on the internet, mobile and its applications, we try to make the most out of it. As for us, we are a well established IT professionals based in Bangalore, constantly coping up with the extensive advancement and adapting to new Technology. Since the start of the company in 2010, our niches are Mobile Application Development, Web Application Development, Staffing Services and Training Programs (includes Corporate Training).

What you will Learn In This Course

- You will have a basic understanding of PHP
- Be able to build functional, full-featured websites
- Install, configure and modify MySQL databases for the web.
- Pair a secure PHP / MySQL backend of a website
- Understand the core of PHP
- Master PHP programming Language
- And many more

Pre-requisites for learning PHP

- PHP is used mostly for web-development, it would be good to know a little bit of HTML, CSS, JS and how the web works
- Graduates looking to build a career in PHP and MySql

1. Introduction to PHP

Topics

1. Why & what is PHP?
2. The origin of PHP
3. Features of PHP
4. Summary
5. Hands on

2. Installing and configuring PHP

Topics

1. PHP Installation
2. MySQL Installation
3. Apache Installation
4. Installing and Configuring PHP on Windows
5. How to design PHP applications using Dreamweaver/notepad++
6. Summary
7. Hands on

3. Introduction of Java Script

Topics

1. Creating variables
2. Working with Data types
3. Working with Arrays
4. Creating & using Functions
5. Creating Client-side Validations
6. Summary
7. Hands on

4. PHP Input Streams

Topics

1. Form Interpretation
2. Understanding GET,POST,REQUEST
3. Master-Childpage concept
4. Summary
5. Hands on

5. PHP Output Streams

Topics

1. Working with ECHO,PRINT(),PRINTF()
2. Integrating HTML with PHP
3. Integrating CSS with PHP
4. Integrating JAVASCRIPT with PHP
5. Summary
6. Hands on

6. Writing a code in PHP

Topics

1. Creating a simple PHPscript
2. Variables
3. Introduction of PHP Keywords
4. Embedding PHP code on a page
5. Outputting dynamic text
6. The operational trail
7. Inserting code comments
8. Summary
9. Hands on

7. Data Types

Topics

1. Variables
2. Strings
3. String functions
4. Numbers part one: Integers
5. Numbers part two: Floating points
6. Arrays
7. Associative arrays
8. Array functions
9. Booleans
10. NULL and empty
11. Type juggling and casting
12. Constants
13. Summary
14. Hands on

8. Operators & Expressions

Topics

1. Arithmetic
 2. Assignment
 3. Comparison
 4. Logical Operators
 5. Concatenation
 6. Increment&Decrement operators
 7. Summary
 8. Hands on
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9. Control Structures: Logical Expressions

Topics

1. If statements
2. Else and elseif statements
3. Logical operators
4. Switch statements
5. Summary
6. Hands on

10. Control Structures: Loops

Topics

1. While loops
2. For loops
3. Foreach loops
4. Continue
5. Break
6. Understanding array pointers
7. Summary
8. Hands on

11. Working With Arrays

Topics

1. What is an Array?
2. Creating and Working with Arrays
3. Creating arrays
4. Viewing arrays
5. Modifying arrays
6. Removing values from arrays
7. Sorting Arrays
8. Walking through an Array
9. Traversing an array manually
10. Using for each to walk through an array
11. Finding Array Size
12. Multi dimensional Arrays
13. Creating multidimensional arrays
14. Viewing multidimensional arrays
15. Using multi dimensional arrays in statements
16. Walking through a multidimensional array
17. Built-in PHP Arrays
18. Summary
19. Hands on

12. Working With Strings

Topics

1. Introduction to string
2. Creating and Working with String
3. Modifying string
4. Introduction of String Function
5. Working with string function
6. Summary
7. Hands on

13. Working With Functions

Topics

1. Defining functions
2. Using variables in functions
3. Passing values to a function
4. Nesting of Functions
5. Anonymous Functions
6. Recursion
7. Returning a value from a function
8. Using built-in functions
9. Defining User defined functions
10. Passing parameter(Call By Value&Call By Reference)&return value
11. Trends of PHP Functions(Missing Parameter,Formal parameter declaration)
12. Importing content of one page into another(include&require)
13. Summary
14. Hands on

14. Debugging

Topics

1. Common problems
2. Warnings and errors
3. Debugging and troubleshooting
4. Summary
5. Hands on

15. Building Web Pages with PHP

Topics

1. Links and URLs
 2. Using GET values
 3. Encoding GET values
 4. Encoding for HTML
 5. Including and requiring files
 6. Modifying headers
 7. Page redirection
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8. Output buffering
 9. Summary
 10. Hands on

16. Working with Forms and Form Data

Topics

1. Building forms
2. Detecting form submissions
3. Single-page form processing
4. Validating form values
5. Problems with validation logic
6. Displaying validation errors
7. Custom validation functions
8. Single-page form with validations
9. Working with Cookies and Sessions
10. Working with cookies
11. Setting cookie values
12. Reading cookie values
13. Unsetting cookie values
14. Working with sessions
15. Summary
16. Hands on

17. File Handling in PHP

Topics

1. File Streams(Input, Output, Temp)
2. Creating and deleting a file.
3. Reading and writing test files.
4. Checking for existence of file.
5. Determining file size.
6. Opening a file for writing, reading or appending.
7. Writing data to the file.
8. Reading characters.
9. Checking existence of a file
10. Summary
11. Hands on

18. Creating Web Features

Topics

1. Redirecting users to other pages
2. Email
3. File Uploading and File Downloading
4. Summary
5. Hands on

19. MySQL introduction

Topics

1. Creating a database
2. Creating a database table
3. CRUD in MySQL
4. Populating a MySQL database
5. Relational database tables
6. Populating the relational table
7. Summary
8. Hands on

20. Using PHP to Access MySQL

Topics

1. Database APIs in PHP
2. Connecting to MySQL with PHP
3. Joins
4. Constraints
5. Triggers
6. Retrieving data from MySQL
7. Working with retrieved data
8. Creating records with PHP
9. Updating and deleting records with PHP
10. SQL injection
11. Escaping strings for MySQL
12. Introducing prepared statements
13. Summary
14. Hands on

21. SQL Statements

Topics

1. Introduction to Query Strings
2. Working with Query Strings
3. Receiving data from Query Strings
4. Introduction to COOKIES
5. Creating Cookies
6. Using Cookies
7. Introduction to Session
8. Starting a Session.
9. Working with Session variables.
10. Destroying session
11. Summary
12. Hands on

22. Building a Content Management System (CMS)

Topics

1. Blueprinting the application
2. Building the CMS database
3. Establishing your work area
4. Creating and styling the first page
5. Making page assets reusable
6. Connecting the application to the database
7. Summary
8. Hands on

23. Using Site Navigation to Choose Content

Topics

1. Adding pages to the navigation subjects
2. Refactoring the navigation
3. Selecting pages from the navigation
4. Highlighting the current page
5. Moving the navigation to a function
6. Summary
7. Hands on

24. Application CRUD

Topics

1. Finding a subject in the database
2. Refactoring the page selection
3. Creating a new subject form
4. Processing form values and adding subjects
5. Passing data in the session
6. Validating form values
7. Creating an edit subject form
8. Using single-page submission
9. Deleting a subject
10. Cleaning up
11. Assignment: Pages CRUD
12. Assignment results: Pages CRUD
13. Summary
14. Hands on

25. Building the Public Area

Topics

1. The public appearance
 2. Using a context for conditional code
 3. Adding a default subject behaviour
 4. The public content area
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5. Protecting page visibility
 6. Summary
 7. Hands on

26. Regulating Page Access

Topics

1. User authentication overview
2. Admin CRUD
3. Encrypting passwords
4. Salting passwords
5. Adding password encryption to CMS
6. New PHP password functions
7. Creating a login system
8. Checking for authorization
9. Creating a logout page
10. Summary
11. Hands on

27. Introduction to Object-Oriented Programming (OOP)

Topics

1. Objects and classes
2. Properties & Methods
3. Object-oriented concepts PHP 5
4. Encapsulation
5. Inheritance(Single, Multilevel, Multiple, Hybrid, Hierarchical)
6. Developing an Object-Oriented Program
7. Selecting properties and methods for each object
8. Defining a Class
9. Using \$this
10. Adding methods
11. Destroying Objects
12. Constructor & Destructor
13. Final Class
14. Using Access Specifiers (public, private & protected) Polymorphism(Over Loading & Over Riding) Abstraction
15. Abstract Class
16. Interface
17. Traits
18. Magic Methods
19. Summary
20. Hands on

28. Error & Exception Handling

Topics

1. Introduction to Errors
2. Types of Errors
3. Introduction to Exception handling
4. Using Try/catch/throw
5. Summary
6. Hands on

29. Working With Emails

Topics

1. Sending Emails
2. Configuring PHP for email
3. Sending email with mail()
4. Using headers
5. Reviewing SMTP
6. Using PHPMailer
7. Summary
8. Hands on

Project Work

After course completion, students will be assigned to work on live project to polish the technology skills you have acquired with us.