

PHP Training Topics

1. PHP Basics
 1. What is PHP and how it works
 2. Introduction to php .ini file
 3. Downloading and installing wamp on windows for the development of application
 4. Writing Hello World example and testing on the wamp server
 5. Basic Syntax of PHP
 1. PHP Tags
 2. PHP Statements and Whitespace
 3. Comments
 4. PHP Functions
 5. Simple date example
 6. Introduction to PHP Variables
 1. Different types of PHP variables
 2. Declaring PHP variables
 3. Examples to show the use of Boolean, integer, float, string, array and objects
 4. Variable Scope and how to use it correctly
 5. Introduction to Superglobals
 6. Constants and its use
 7. PHP Script Example
 8. Introduction to PHP Operators
 9. Single Quotes vs. Double Quotes
2. Flow Control in PHP
 1. Conditional Processing of the code
 1. If Conditions and its example
 2. Working with Conditions
 3. PHP Loops and its examples
 1. while
 2. do...while
 3. for
 4. break and continue
 4. How to use Loops efficiently
3. Introduction to PHP Arrays
 1. Enumerated Arrays
 1. Initializing Arrays and its example
 2. Appending to an Array and its example
 3. How to read data from Arrays
 4. Looping through Arrays and then printing the output on browser
 2. How to use Enumerated Arrays in PHP
 3. Introduction to Associative Arrays
 1. How to initialize Associative Arrays
 2. How to read from Associative Arrays
 3. Example showing the process of looping through Associative Arrays
 4. Introducing Superglobal Arrays

4. Working with Associative Arrays
 5. Different functions available for Array Manipulation
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1. Introduction to the HTML Forms and using form in PHP
 1. The HTML Forms
 1. How HTML Forms Work
 2. A Sample HTML Form
 3. Form Variables
 2. Processing Form Input in PHP file
 3. Running and testing Form based application on WAMP server
 2. String Manipulation in PHP
 1. Formatting Strings in PHP
 1. Concatenation String
 2. Different String Manipulation Functions
 3. Examples of String Functions
 2. Introduction to Magic Quotes in PHP
 1. magic_quotes_gpc
 2. magic_quotes_runtime
 3. Recommendation on Magic Quotes
 3. Code Reuse in PHP
 1. Including Files
 1. Use of require
 2. Use of require_once
 3. Use auto_prepend_file and auto_append_file
 2. Adding a Header and Footer in main content
 3. User define Functions in PHP
 1. Defining and Calling Functions
 2. Default Values
 3. Variable Scope
 4. By Reference vs. By Value
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1. Managing Data Using mysqli
 1. Introduction to mysqli
 2. Querying a Database using mysqli
 1. mysqli Methods and Properties
 2. Inserting and Updating Records
 3. mysqli Prepared Statements
 3. Saving data into database using mysqli
2. PEAR:DB
 1. Introduction to PEAR:DB
 2. Advantages and Disadvantages of PEAR DB
 1. Why use a database abstraction layer?
 2. When not to use a database abstraction layer?
 3. Using PEAR DB

4. Creating a Customer Report in PEAR:DB
 3. Regular Expressions in PHP
 1. Introduction to Regular expressions
 2. Perl-compatible Regular Expression Functions
 1. preg_match()
 2. preg_replace()
 3. Regular Expression Tester
 3. Regular Expression Syntax and its example
 1. Start and End (^ \$)
 2. Number of Occurrences (? + * { })
 3. Common Characters (. \d \D \w \W \s \S)
 4. Grouping ([])
 5. Negation (^)
 6. Subpatterns (())
 7. Alternatives (|)
 8. Escape Character (\)
 4. Validating the Form variables with Regular Expressions
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4. Session Management in PHP
 1. Introduction to Session Management
 2. Introduction to Session Control and Cookies
 3. Sessions
 1. Configuring Sessions
 2. Session Functions
 4. Cookies and its example
 5. Authentication the user with Session Control
3. Introduction to Emailing in PHP
 1. mail() function
 2. Sending email from PHP program
4. File System Management in PHP
 1. Opening a File in PHP
 1. Introduction to fopen() function
 2. Example of fopen() function
 2. Reading from a File in PHP
 1. Introduction to fgets() function
 2. Example of fgets() function
 3. Writing to a File in PHP
 1. Introduction to fwrite() function
 2. Example of fwrite() function in PHP
 4. Writing to a File in PHP
 5. File Locking using flock() function in PHP
 1. Introduction to flock()
 2. The flock() function example