

Introduction

- Why use PHP and MySQL?
- The PHP programming environment
- Overview of SQL

Setting up a Test Bed

- Decisions about a testing environment
- WAMP/MAMP
- Installing Apache, PHP and MySQL on your computer
- Testing on a remote Server
- Deciding on Development tools
- Using PHPMysqlAdmin

Overview of PHP

- Setting up a PHP page
- The phpinfo() function
- Learning basic syntax
- Echoing HTML output to the browser
- The importance of comments
- Using single and double quotes

Variables in PHP

- Using loose typed variables
- Assigning variables
- Overview of numeric, string and other types
- Assigning a variable to itself

Logical operators

- Arithmetic operators
- Logical operators
- Comparisons
- Operator precedence

Numbers in PHP

- Making calculations
- Using built-in numeric functions
- Incrementing and decrementing

Strings in PHP

- Concatenating strings
- Trimming strings
- Removing slashes and other harmful characters
- String functions

Control structures in PHP

- The If statement
- FOR loops
- While loops
- The Switch

Transferring information between PHP pages

- GET and POST
- Different form field types
- Self-referencing forms
- Form handlers

Database fundamentals

- Structuring a database
- Using tables
- Table relationships
- Common data types

Creating a database

- Using PHPmyAdmin
- Adding a table
- Populating a table with types and data
- Browsing a table

Getting PHP to connect to MySQL

- Using the `mysql_connect()` function
- Using the `mysql_select_db()` function
- Testing a connection
- Writing a sample error trap

Querying MySQL using PHP

- Writing SQL queries
- Using Select, Insert, Update and Delete
- Querying MySQL and returning results
- Interpreting the returned array

Building a Web Application

- Creating pages to:
 - ■ Add entries
 - ■ Modify entries
 - ■ List entries
 - ■ Filter entries

Security features

- Validating entries



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