



PHP MYSQL

Overview, Installation and Configuration of PHP

- definition of the client-server model and overview of its implementation in the context of a web browser and a web server
- how a web server handles PHP scripts with embedded HTML
- installing PHP for Windows using Apache
- getting installation information with the `phpinfo()` function
- configuring the `php.ini` file, comments and code delimiters

Programming Basics in PHP

- dynamically changing your HTML with PHP output
- setting and outputting string variables
- setting and outputting numeric variables
- useful string functions and concatenation
- useful math functions
- the subtleties of printing variables within single or double quotes
- converting FORM input tags to PHP variables

Conditionals, Loops, and Sending Email

- deciding on what code to execute with if-else conditionals
- repeating blocks of code with `while()` loops
- programmatically sending email with the `mail()` function

Associative Arrays and Database Recordsets

- understanding associative arrays
- connecting to a MySQL database in PHP with the `mysql_connect()` and `mysql_select_db()` functions
- overview of the SELECT statement in Structured Query Language (SQL)
- executing SQL statements against a database using the `mysql_query()` function in PHP
- retrieving an associative array of fields and values with the `mysql_fetch_assoc()` function
- using PHP `while()` loops with `fetch_assoc()` to retrieve a recordset and output it in HTML

Integrating MySQL with PHP

- connecting to MySQL from PHP
- trapping and displaying database errors
- performing inserts, updates, and deletes based on form inputs
- retrieving recordsets based on user inputted criteria

Prerequisites:

- Experience with at least one programming language
- Ability to hand-code HTML