

PHP

40 Hours

Introduction To The PHP Programming Language

- What is PHP?
- How does PHP work?
- Creating a PHP environment
- Installing WAMP
- Starting and stopping Apache
- Testing PHP
- Testing My SQL connection

Getting started with PHP

- Hello world program
- Syntax rules
- Escaping characters
- Reserved words
- Variables
- Data types
- Functions
- Function arguments
- Multiple functions
- Variable scope
- Multiple arguments

Performing operations

- Arithmetic operators
- Logical operators
- Assignment operators
- Comparison operators
- Conditional operator
- Conditional if statement
- If-else statement
- Switch statement
- For loop
- While loop
- Do-while loop
- Interrupting loops
- Return statement

Arrays

- Creating an array
- Changing array element value
- Listing array elements
- Getting the array size
- Adding & removing array elements
- Array keys and values
- One-base indexing
- Manipulating arrays

Generating dynamic content

- Identifying browser and platform
- Server date and time
- Time-specific content
- Random number generator
- Getting form values
- Displaying submitted values
- Manipulating submitted values
- String manipulation
- Reloading a page
- Browser redirection

File handling with PHP

- Displaying directory files
- Copying & renaming files
- Deleting files
- Opening and closing files
- Reading a file
- Writing a file
- Logging visitor details
- Enabling file uploads
- Creating an upload form
- Creating an upload script
- Uploading a file
- Confirming file upload

Data persistence

- Introducing cookies
- Set a cookie
- Access limitation
- Introducing sessions
- Starting a session
- Sessions without cookies
- Setting session preferences
- Cookies or sessions

Sending email with PHP

- Enabling PHP email
- Creating a feedback form
- Sending plain text email
- Creating an attachment form
- Sending attachments with email
- Adding error-checking
- Validating email address formats

Getting started with My SQL

- Introducing databases
- Exploring database tables
- Creating a new database
- Creating a database table
- SQL data types
- SQL field modifiers
- Inserting table data
- Altering an existing table
- Updating records
- Deleting data, tables and databases
- SQL queries

PHP & My SQL together

- Creating a My SQL user & password
- Connecting a user to My SQL
- Listing databases
- Listing databases
- Listing table names
- Creating a database
- Deleting a database
- Creating a database table
- Inserting table data
- Altering tables
- Retrieving data from a table
- More My SQL

User authentication

- Creating a user table
- Adding authorized users
- Displaying authorized users
- The user log-in form
- The log-in form-handler script
- An authenticated log-in attempt

Debugging

- Controlling where error appear
- Fixing parse errors
- Inspecting program data
- Fixing database errors

Applying PHP (Creating a PHP guestbook)

- Creating a guestbook database table
- Signing the guestbook
- Inserting guestbook entries
- Using timestamp data
- Viewing the guestbook