
PHP OOPs

Hypertext Pre-processor or PHP as we call it; is a server side scripting language. It is in your server and only sends the HTML to the viewer's browser. It is installed in host of websites and web servers and is one of the leading languages used for websites.

PHP was originally designed for web development and hence has great advantages over other languages. It can be directly embedded into an HTML source file whereas other languages (like C++) need to be called from an external file. It can also be used in Standalone graphical apps or even as a standalone shell on almost every OS out there.

So if you want to or have to work in websites then the knowledge of PHP is a must. Most CMS (Content Management Systems) out there are based on PHP. So if your job involves tinkering with websites or handling CMS then you should know a bit about PHP, how to change and configure it, if not fully design a web page using PHP.

With this in mind, we have brought out this course. This course teaches you the basic of PHP with an introduction of HTML & CSS. At the end of the course you will be:

- Understand how server side programming works on the web
- Able to use PHP built-in functions and create custom functions
- Understand POST and GET in form submission
- Read and Write Cookies
- Create a database
- Read and Process data in MySQL database

Prerequisites:

You should be able to handle working on a computer.

Course curriculum

PHP Basics

1. PHP Basics

- How PHP Works
- The php.ini File
- Basic PHP Syntax
 - PHP Tags
 - PHP Statements and Whitespace
 - Comments
 - PHP Functions
 - Hello World!
- Variables
 - Variable Types
 - Variable Names (Identifiers)
 - Type Strength
 - Hello Variables!
 - Variable Scope
 - Superglobals
 - Constants
 - Variable-Testing and Manipulation Functions
- PHP Operators
- Creating Dynamic Pages
 - Single Quotes vs. Double Quotes
 - Hello World!
- Conclusion

3. Arrays

- Enumerated Arrays
 - Initializing Arrays
 - Appending to an Array
 - Reading from Arrays
 - Looping through Arrays
- Associative Arrays
 - Initializing Associative Arrays

2. Flow Control

- Conditional Processing
 - If Conditions
- If Conditions
- Loops
 - while
 - do...while
 - for
 - break and continue
- Conclusion

4. PHP and HTML Forms

- HTML Forms
 - How HTML Forms Work

- Reading from Associative Arrays
- Looping through Associative Arrays
- Superglobal Arrays
- Two-dimensional Arrays
 - Reading from Two-dimensional Arrays
 - Looping through Two-dimensional Arrays
- Array Manipulation Functions
- Conclusion
- A Sample HTML Form
- Form Variables
- Conclusion

5. String Manipulation

- Formatting Strings
 - Concatenation
 - String Manipulation Functions
 - Examples of String Functions
- Magic Quotes
 - magic_quotes_gpc
 - magic_quotes_runtime
 - Recommendation on Magic Quotes
 - Conclusion
- Conclusion

7. Simple SELECTs

- Introduction to the Northwind Database
- Some Basics
 - Comments
 - Whitespace and Semi-colons
 - Case Sensitivity
- SELECTing All Columns in All Rows
- SELECTing Specific Columns
- Sorting Records
 - Sorting By a Single Column
 - Sorting By Multiple Columns
 - Sorting By Column Position
 - Ascending and Descending Sorts
- The WHERE Clause and Operator Symbols
 - Checking for Equality
 - Checking for Inequality
 - Checking for Greater or Less Than

6. Reusing Code and Writing Functions

- Including Files
 - require
 - require_once
 - auto_prepend_file and auto_append_file
- User Functions
 - Defining and Calling Functions
 - Default Values
 - Variable Scope
 - By Reference vs. By Value
- Form Processing
 - Code Organization
- Code Organization
- Conclusion

8. Subqueries, Joins and Unions

- Subqueries
- Joins
 - Table Aliases
 - Multi-table Joins
- Outer Joins
- Unions

- Checking for NULL
- WHERE and ORDER BY
- The WHERE Clause and Operator Words
 - The BETWEEN Operator
 - The IN Operator
 - The LIKE Operator
 - The NOT Operator
- Checking Multiple Conditions
 - AND
 - OR
 - Order of Evaluation
- Conclusion

- UNION ALL
- UNION Rules
- Conclusion

9. Inserting, Updating and Deleting Records

- INSERT
- UPDATE
- DELETE
- Conclusion

10. Managing Data

- Querying a Database
 - mysqli() Overview
 - mysqli Methods and Properties
 - Inserting and Updating Records
 - mysqli Prepared Statements

11. PEAR:DB

- Advantages and Disadvantages of PEAR DB
 - Why use a database abstraction layer?
 - When not to use a database abstraction layer?
- Why use a database abstraction layer?
- When not to use a database abstraction layer?
- Using PEAR DB

12. Authentication with PHP and SQL

- A Database-less Login Form
- Conclusion

13. Regular Expressions

- Perl-compatible Regular Expression Functions
 - preg_match()
 - preg_replace()
 - Regular Expression Tester
- Regular Expression Syntax
 - Start and End (^ \$)
 - Number of Occurrences (? + *{ })

14. Session Control and Cookies

- Sessions

- Common Characters (. \d \D \w \W \s \S)
- Grouping ([])
- Negation (^)
- Subpatterns (())
- Alternatives (|)
- Escape Character (\)
- Form Validation Functions with Regular Expressions
- Conclusion

15. Sending Email with PHP

- mail()
 - Shortcomings of mail()
- Shortcomings of mail()
- PHPMailer
- Conclusion

17. WordPress

- WordPress 3.8 essentials
- Creating and Editing WordPress Themes
- Creating custom widgets and plug-ins with WordPress

PHP Advanced

1. Object-Oriented PHP

- Building a Class
- Constructors and Destructors

2. PHP XML Support

- Simple XML Object
- Executing XPath Queries

16. File System Management

- Opening a File
 - fopen()
- Reading from a File
 - fgets()
- Writing to a File
 - fwrite()
- File Locking
 - flock()
- Uploading Files via an HTML Form
- Getting File Information
- More File Functions
- Directory Functions
 - Getting a Directory Listing

- Working with Properties and Functions
- Private, Protected, Public modifiers
- Inheritance
- Interfaces
- DOM Interoperability
- Using XPath
- XSLT and PHP

3. PHP Web Services

- Web Services Technology Stack
- Web Services with PHP
- Working with PHP and WSDL
- PHP and SOAP
- Debugging Web Services

4. RESTful Web Services with PHP

- REST vs SOAP
- Consuming Services
- Creating Services
- Debugging RESTful Web Services

5. Ajax with PHP

- Ajax Overview
- Ajax on the Server
- Ajax on the Client
- JSON, Ajax and PHP

6. Extending PHP with PEAR

- Finding packages on PEAR
- Installing PEAR packages
- Updating PEAR packages
- Uninstalling PEAR packages
- PECL

7. PHP and Security

- General PHP security
- Data Validation
- Protecting against SQL Injection
- Thwarting Cross-site Scripting
- Sensitive Data Management

8. PHP Best Practices

- Code management
- Code style
- Documentation
- Security
- Unit testing

[Enroll for this batch](#)

We always keep ourselves updated about current market trends & needs, but if you think we have not covered enough training topics, then we welcome you to suggest us & we will be more than happy to include them in syllabus.

Customized Corporate Private Trainings: We deliver all our courses as [Corporate Training](#) as well - if you are a group interested in the course, this option may be more advantageous for you.

Other courses

[Web Design](#)

[HTML5](#)

[JavaScript](#)

[PHP](#)

[Front end development](#)

[Wordpress](#)

[Drupal](#)

[Joomla](#)

[WPE](#)

[NodeJS](#)

[AngularJS](#)

[BackBone JS](#)

[SEO](#)

[SMO](#)

[See All »](#)

Follow us on Social Media

- [Find Technnovation on Facebook](#)
- [Follow Technnovation on Twitter](#)
- [Follow Technnovation on LinkedIn](#)
- [Google plus Technnovation](#)

Contact Us

4th Floor, Nandlal Hsg Society,
418 Narayan peth, Above Bedekar misal,
Munjobacha Bol, Shagun Chowk, Pune, Maharashtra - 411030
India, Contact: **898 300 2500 / 3700**
<http://www.tlabsonline.com>
[Live Chat support](#)
[Earn back](#)