GWENDAL LE COGUIC

COURSES

Each training session focuses on practical demonstrations, interactive exercises, and discussions based on real-life situations to ensure the acquisition of key skills.

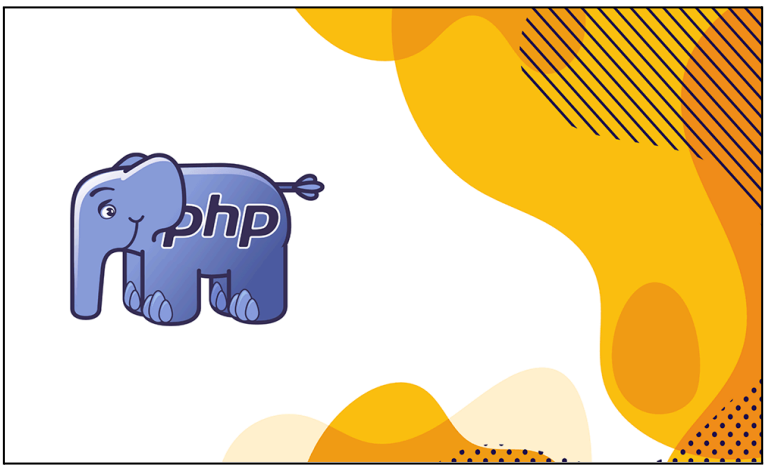
Each session can be taken:

- on-site or remotely
- in French or English
- individually or in groups

Quotes available upon request

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PHP FOR BEGINNERS



a. Description

*A comprehensive 3-day training designed for beginners aiming to **build dynamic web applications using PHP**. Participants will learn to write structured PHP code, handle data with SQL, and integrate external libraries using Composer. The course emphasizes **practical learning through progressive exercises**, culminating in the development of a functional web application. By the end, attendees will be equipped to design and develop the server-side of a website, generating the necessary code for the front-end. This training is **ideal for novice developers** seeking to create applications or services based on the PHP programming language.*

b. Educational goals

- Understand PHP syntax and basic programming concepts
- Build dynamic web pages using PHP and HTML
- Manage data with MySQL and SQL queries
- Handle forms and user input securely
- Structure code using functions
- Use Composer to manage PHP libraries and dependencies

c. Prerequisites

- Basic knowledge of HTML and CSS
- Familiarity with web browsers and text editors

d. Targeted audience

- Beginners in web development
- Aspiring backend developers

- Anyone interested in PHP/MySQL to build dynamic websites

e. Program

Day 1 - PHP basics

What is PHP?

- A bit of History
- What is PHP and what is a PHP File?

PHP basics

- PHP tags & short tags
- PHP + HTML
- Comments

Variables

- Variables types
- Constants
- Quotes
- Concatenation
- Operators

Control Structures

- *if, elseif, else, while, for, while, for, foreach*
- *break, continue*
- *switch…case*
- *match*
- *include, require*

Functions

- Recursion
- Types declaration
- Variable arguments
- Default parameters
- Anonymous functions
- Arrow functions

HTTP methods

- Superglobals
- *GET* and *POST*
- Other HTTP methods
- Forms and filters

Persistency and storage

- Sessions
- Cookies
- File storage

Day 2 - OOP and database

The essence of Object Oriented Programming

- Basics
- Properties
- *Constructor* and *destructor*
- Keyword *$this*
- Visibility
- Constants
- Inheritance
- *Abstract*, *Final* and *Static*
- Magic methods
- Errors and exceptions
- HTTP headers
- Interfaces and traits
- Namespaces

Database

- Mysqli
- PDO

Day 3 - External libraries

External libraries

- Autoload
- Composer
- Dotenv
- PHPUnit
- PHP CLI

Ecosystem

- Extensions
- Frameworks
- CMS