



Object-Oriented Programming in PHP

REFERENCE	CPA
INTENDED PARTICIPANTS	This course is designed for software architects and senior developers with more than 2 years in procedural programming wishing to discover and master object-oriented programming.
LEARNING OBJECTIVES	This course is intended for developers who want to take advantage of the best of object-oriented programming in PHP. At the end of this course, participants will be able to: <ul style="list-style-type: none">- Master the PHP object model- Apply their knowledge in PHP programming language;- Define and use components, PHP syntax and structure;- Create a development environment using php.ini;- Apply the basic concepts of designing and implementing PHP Web applications, including Forms and their validation, security aspects, sessions/cookies/buffers...
DURATION	3 days
DELIVERY PRICE	Contact Us

COURSE CONTENT

PHP BASES

- Comments
- Data types
- Constants and variables
- Operator precedence
- Tables, multidimensional arrays
- Conditions Control and loops
- Functions
- Regular expressions

PHP CONCEPT

- File Inclusion
- Visibility or variable scope
- GLOBALS variables
- References - list ()
- File system: PATH_SEPARATOR, stream, wrapper, filter

CONFIGURATION FILE: PHP.INI

- Using Parameters

WEB CONCEPTS

- Difference between local application and Web application
- GET - POST
- HTTP Headers
- Cookies and sessions
- Buffer, Email and Browser Cache
- Form and form validation

OBJECT-ORIENTED PROGRAMMING

- Object classes
- Creating a class
- Creation and destruction of an object
- Properties, class methods
- Access to variables and methods of a class



- Static context
- Standing context
- Visibility (public, private, protected)
- Encapsulation
- Inheritance
- Interfaces
- Abstract class
- Cloning a class
- Overloading of a class (override)
- Namespace
- Pattern Design
- Magic method

DATABASES

- RDBMS
- SQL and MySQL
- PHP and MySQL connection
- Processing PHP and MySQL data

PHP DATA OBJECTS : PDO

- Drivers
- Connection to MySQL server
- PDOStatement and PDOException classes
- Sending an SQL query to the server
- Reading the result of a query
- Reading column names
- Inserting data
- Updating a table
- Prepared statements
- Stored procedures
- Transaction

APPLICATION DESIGN

- Software development life cycle
- Debugging
- Security
- Validation
- Web Services
- Performances

PRACTICAL EXERCISES

Development Topic: DEVELOPMENT OF A PROFESSIONAL WEB APPLICATION

- Development of a large file deposit

Immediate implementation through numerous practical exercises provides effective instruction. Methods and best practices for efficient programming in PHP. Feedback from PHP specialists.