

PHP400 : PHP Programmer Certification

Code : PHP400

Duration : 1 day

Category : PHP

Audience :

The course is intended for experienced PHP developers that want to prepare themselves for the PHP Programmers exam.

Prerequisites :

Knowledge and experience with Web development and PHP programming is required to participate in this course.

Realization :

The course has a hands-on nature. The theory is interspersed with practical exercises. Several mock exams with exam test questions are discussed. The course material is in English.



PHP Programmer Certification



Contents :

In the course PHP Programmer Certification the topics for the PHP 5 Programmers exam are discussed on the basis of test questions. The course also has the purpose to give the best possible impression of what one can expect on the actual exam. The course is an exam-oriented training and programming assignments are not part of the course program. Participants can however experiment with demo scripts where certain aspects of the exam are discussed. Extra attention is paid to topics that are commonly experienced as difficult. The exam topics on the program are: PHP Basics, Object Oriented Programming, the differences between PHP 4 and 5, stream I/O and network programming, using functions and arrays, working with strings and regular expressions, accessing databases and SQL, accessing XML data and Web services, security and finally the use of design patterns.

Exam Topic: PHP Basics

- Syntax
- Operators
- Variables
- Constants
- Control Structures
- Language Constructs and Functions

Exam Topic: Object Oriented Programming

- Instantiation
- Modifiers/Inheritance
- Interfaces
- Exceptions
- Static Methods & Properties
- Autoload
- Reflection
- Type Hinting
- Class Constants

Exam Topic: PHP 4/5 Differences

- Object Orientation
- E_STRICT
- References vs. Object Handles

Exam Topic: Streams and Network Programming

- Files
- Reading
- Writing
- File System Functions
- Streams

Exam Topic: Security

- Configuration
- Session Security
- Cross-Site Scripting
- Cross-Site Request Forgeries
- SQL Injection
- Remote Code Injection
- Email Injection
- Filter Input
- Escape Output

Exam Topic: Functions

- Syntax
- Arguments
- Variables
- References
- Returns
- Variable Scope

Exam Topic: Databases and SQL

- SQL
- Joins
- Analyzing Queries
- Prepared Statements
- Transactions

Exam Topic: Strings and Patterns

- Quoting
- Matching
- Extracting
- Searching
- Replacing
- Formatting
- PCRE

Exam Topic: Arrays

- Enumerated Arrays
- Associative Arrays
- Array Iteration
- Multi-Dimensional Arrays
- Array Functions
- SPL

Exam Topic: XML and Web Services

XML Basics
SimpleXML
XML Extension
Xpath
Webservices Basics
SOAP
REST

Exam Topic: Web Features

Sessions
Forms
GET and POST data
Cookies
HTTP Headers

Exam Topic: Design and Theory

Design Patterns
Code Reuse
OOP Theory