

Price: R6,900.00 excl. VAT
Duration: 5 days
Code: PHPDV

PHP Development

Description

The PHP Development course focuses on using PHP to develop cross-platform web applications. Topics covered include the PHP syntax, getting data from the client, maintaining state and PHP data connectivity.

Objectives

Delegates who complete the PHP Development course will be able to:

- Understand the fundamental concepts involved in server-side web development.
- Install and configure PHP.
- Develop, read and debug PHP code using PHP language constructs.
- Develop PHP applications and maintain state.
- Use PHP to read from and write to a database.

Intended Audience

The PHP Development course is for programmers who want to develop web-based systems using PHP.

Prerequisites

Our Web Development with HTML and CSS course or equivalent experience in HTML and CSS. Delegates should have previous programming experience and a basic knowledge of SQL queries.

Course Contents

The lecturer reserves the right to modify the contents of the course to suit the needs of the delegates.

Web Development Fundamentals • History of the WWW. • Standards - W3C, IETF. • The HTTP protocol. • Requests and Responses. • GET, POST and PUT requests. • Server Side Includes. • Server variables. • CGI - Common Gateway Interface. • Mixing content with code. • Cookies for state management. • HTTP Server extensions. • PHP and ASP. • Client side coding - HTML, DOM, Javascript. • XML and XHTML. • Web services. • Publishing content.

Getting Started • PHP background. • Supported environments. • PHP installation and configuration. • ISAPI, CGI and mod_perl. • Query PHP with phpinfo(). • Special PHP tags in HTML. • Display dynamic content. • Passing data from client via URL or form. • Setting, reading and deleting cookies. • PHP's session id cookie. • Session variables

Language Syntax • Modules and libraries. • Comments. • Iteration and selection statements. • Literals. • Variables and constants. • Scope. • Keywords. • Expressions and operators. • Arrays and lists. • Associative arrays. • Regular expressions.

Classes and Structs • Principles. • Classes. • Methods and Properties. • Constructors. • Encapsulation. • Polymorphism. • Abstraction. • Inheritance.

Databases in PHP • Database drivers. • Basic SQL syntax. • MySQL examples. • Connecting to database servers. • Create and drop tables. • Insert, update and delete rows. • Selecting rows. • Client access to database functionality. • Presenting data.

Extensions and Techniques • Dynamic PDF generation. • Database interfaces. • Dynamic graphics. • Session management. • Serialization. • Authentication. • XML parsing. • File uploads.