

PHP MYSQL SYLLABUS

Introduction to PHP

- How PHP Works
- The php.ini File
- Basic PHP Syntax
 - PHP Tags
 - PHP Statements and Whitespace
 - Comments
 - PHP Functions
 - Hello World!

PHP Open source Technology

PHP for Web application

Variables

- Variable Types
- Variable Names (Identifiers)
- Type Strength
- Hello Variables!
- Variable Scope
- Superglobals
- Constants
- Variable-Testing and Manipulation Functions

Echo, Print_r()

Operators

Strings, arrays, comments, Builtin functions

PHP Methods, Functions

- User-defined functions
- Function arguments
- Returning values
- Variable functions
- Internal (built-in) functions
- Anonymous functions

PHP loopings, Condition statements

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

Login Security Authentication (User logins)

Authorization (Permissions)

Encryption

Session Cookies

PHP Mail, File Handling, File Uploading

MySQL Connection

PHP-Classes Objects, Function Overriding and Overloading

PHP Framework

Code Generation

scripts
Web Services
Introduction to MySQL
MYSQL for Web application
Creating database
Create table
Constraints
Where clause
Alias
Using MySQL from PHP

Advanced PHP

Object-Oriented PHP

- Building a Class
- Working with Properties and Functions
- Private, Protected, Public modifiers
- Inheritance
- Interfaces
- Building a Web Page Object
- PHP Objects in N-Tier Web Architecture
- Importance of PHP Business Objects

PHP XML Support

- Simple XML Object
- Executing XPath Queries
- DOM Interoperability
- Using XPath
- Installing and Configuring LIBXSL
- Applying Server side XSL Transformations
- Using XML in N-Tier Architecture
- Mixing PHP Objects and XML

PEAR: HTTP_REQUEST MODULE

- Installing PEAR::HTTP_REQUEST with Dependencies
- HTTP_REQUEST Capability
- HTTP GET Request
- HTTP POST Request
- Programmatically Posting to a HTML Form
- Parsing the Response
- Building a Basic Authentication PHP Client

XML RPC

- XML-RPC Implementations
- Installing and Configuring PHPXMLRPC
- XML RPC Data-Types
- XML RPC Server

- XML RPC Client
- XML RPC Request and Response
- Exploring the XML RPC API

PHP Web Services

- Web Service Technology Stack
- SOAP Soup
- Web Services with PHP
- Installing NuSOAP
- Building a SOAP SERVER
- Consuming a Web Service
- Generating WSDL Dynamically
- Understanding Generated WSDL
- WSDL and SOAP Proxies

Complex PHP Web Services

- Building Interoperable Web Services
- Generating and Handling SOAP Faults
- RPC Vs. Document Message Encoding
- Serializing the SOAP Envelope
- Web Service Best Practices

Ajax with PHP

- Ajax Overview
- Ajax Technology Stack
- Ajax Implementations
- Installing and configuring HTML_Ajax Pear Module
- Ajax Server
- Ajax Client

Smarty Templates

- Smarty Overview
- Installing and configuring Smarty Pear Module
- Setting up a Template
- Passing Data to the Template
- Smarty for Template Designers
- Smarty for Programmers
- Smarty in N-Tier Architecture