

## Test Prep: PHP(7.1) Certification

Duration: 4 Days

### 1. PHP Basics

1. Syntax
2. Operators
3. Variables
4. Control Structures
5. Language Constructs and Functions
6. Namespaces
7. Extensions
8. Config
9. Performance/bytecode caching

### 2. Functions

1. Arguments
2. Variables
3. References
4. Returns
5. Variable Scope
6. Anonymous Functions, closures
7. Type Declarations

### 3. Data Formats & Types

1. XML Basics
2. SimpleXML
3. XML Extension
4. Webservices Basics
5. SOAP

6. JSON
7. DateTime
8. DOMDocument

#### 4. Web Features

1. Sessions
2. Forms
3. GET and POST data
4. Cookies
5. HTTP Headers
6. HTTP Authentication
7. HTTP Status Codes

#### 5. Object Oriented Programming

1. Instantiation
2. Modifiers/Inheritance
3. Interfaces
4. Return Types
5. Autoload
6. Reflection
7. Type Hinting
8. Class Constants
9. Late Static Binding
10. Magic (\_\* ) Methods
11. Instance Methods & Properties
12. SPL
13. Trait

## 6. Security

1. Configuration
2. Session Security
3. Cross-Site Scripting
4. Cross-Site Request Forgeries
5. SQL Injection
6. Remote Code Injection
7. Email Injection
8. Filter Input
9. Escape Output
10. Encryption, Hashing algorithms
11. File uploads
12. PHP Configuration
13. Password hashing API

## 7. I / O

1. Files
2. Reading
3. Writing
4. File System Functions
5. Streams
6. Contexts

## 8. Strings & Patterns

1. Quoting
2. Matching
3. Extracting
4. Searching
5. Replacing
6. Formatting

7. PCRE
8. NOWDOC
9. Encodings

## 9. Databases & SQL

1. SQL
2. Joins
3. Prepared Statements
4. Transactions
5. PDO

## 10. Arrays

1. Associative Arrays
2. Array Iteration
3. Array Functions
4. SPL, Objects as arrays
5. Casting

## 11. Error Handling

1. Handling Exceptions
2. Errors
3. Throwables

## 12. Conclusion

1. QA
2. Useful References and Books
3. Feedback