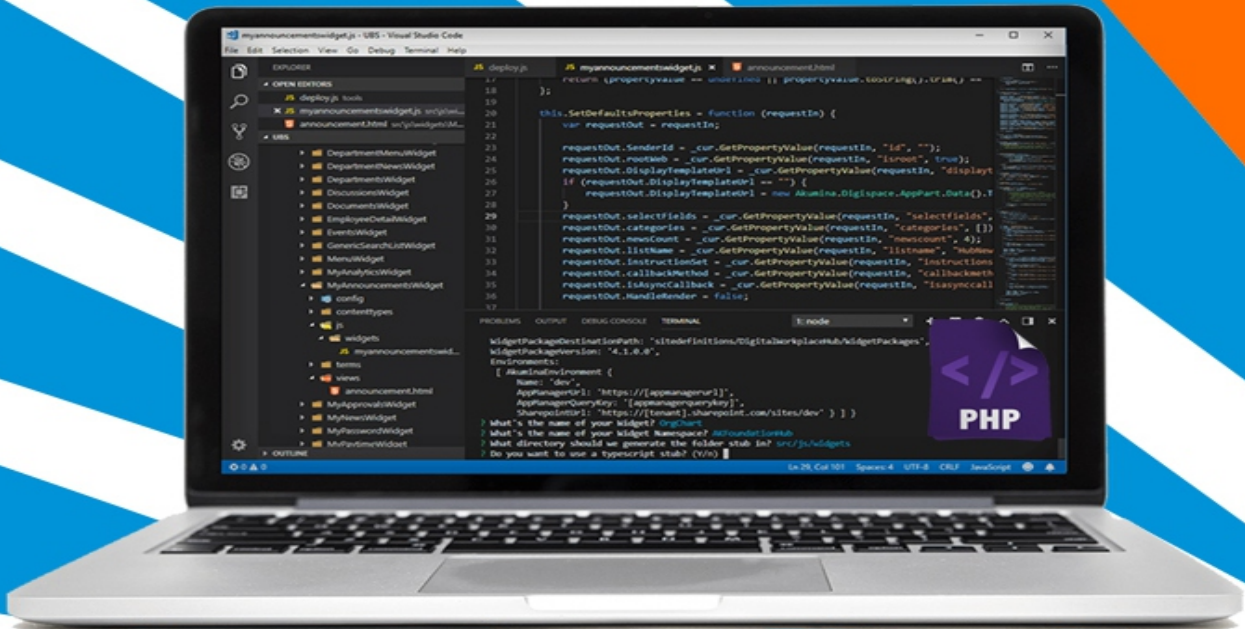


# PHP



SevenMentor  
PVT.LTD

## 1. PHP Basics

- a. How PHP Works
- b. How PHP differs from ASP.NET
- c. The php.ini File
- d. Basic PHP Syntax
- e. Variables
- f. PHP Operators
- g. Creating Dynamic Pages
  - i. Single Quotes vs. Double Quotes
  - ii. Howdy World!

## 2. Flow Control

- a. Conditional Processing
  - i. If Conditions
- b. If Conditions
- c. Loops
  - i. while
  - ii. do...while
  - iii. for
  - iv. break and continue

## 3. Arrays

- a. Enumerated Arrays
- b. Initializing Arrays
- c. Appending to an Array
- d. Reading from Arrays
- e. Looping through Arrays
- f. Associative Arrays
- g. Superglobal Arrays
- h. Two- and multi-dimensional Arrays
- i. Reading from Two-dimensional Arrays
- j. Looping through Two-dimensional Arrays
- k. Array Manipulation Functions



## 4. PHP and HTML Forms

- a. How HTML Forms Work
- b. A Sample HTML Form
- c. Form Variables
- d. GET versus POST

## 5. String Manipulation

- a. Formatting Strings
  - i. Concatenation
  - ii. String Manipulation Functions
  - iii. Examples of String Functions
- b. Magic Quotes
  - i. `magic_quotes_gpc`
  - ii. `magic_quotes_runtime`
  - iii. Recommendation on Magic Quotes
  - iv. Conclusion

## 6. Reusing Code and Writing Functions

- a. Including Files
  - i. `require`
  - ii. `require_once`
  - iii. `auto_prepend_file` and `auto_append_file`
- b. User Functions
  - i. Defining and Calling Functions
  - ii. Default Values
  - iii. Variable Scope
  - iv. By Reference vs. By Value
- c. Form Processing
- d. Code Organization



## 7. Managing Data

- a. Querying a Database with mysqli
  - i. mysqli() Overview
  - ii. mysqli Methods and Properties
  - iii. Inserting and Updating Records
  - iv. mysqli Prepared Statements
- b. Querying a database with PDO
  - i. What is PDO
  - ii. Common PDO Drivers
  - iii. Connections and Exceptions
  - iv. Inserts and Updates with PDO
  - v. Placeholders (Named and Unnamed)
  - vi. Selecting Data
- c. How the Drupal database abstraction layer works

## 8. Authentication with PHP and SQL

- a. A Database-less Login Form
- b. Conclusion

## 9. Session Control and Cookies

- a. Sessions
  - i. Configuring Sessions
  - ii. Session Functions
- b. Cookies
- c. PHP and Databases

## 10. Object-Oriented PHP

- a. Building a Class
- b. Working with Properties and Functions
- c. Private, Protected, Public modifiers
- d. Inheritance
- e. Interfaces
- f. Building a Web Page Object
- g. PHP Objects in N-Tier Web Architecture
- h. Importance of PHP Business Objects



## 11. Drupal 7 Basics

- a. How Drupal began
- b. What is Drupal 7
- c. What Technology Does Drupal Use?
- d. What is Drupal
  - i. Content Management System
  - ii. Content Management Framework
  - iii. Web Application Framework
- e. Drupal terminology
  - i. Modules
  - ii. Themes
  - iii. Nodes
  - iv. Blocks
- f. Drupal Workflow
  - i. Bootstrap
  - ii. Hooks and Callbacks

## 12. Getting started

- a. Installing Drupal 7
- b. The Admin Interface
  - i. Creating Content
  - ii. Managing Content
  - iii. Site Building
  - iv. Site Configuration
  - v. User Management
  - vi. Reports
  - vii. Help

## 13. Out of the Box Modules

- a. Core Required
- b. Core Optional-enabled
- c. Core Optional-disabled



## 14. User Contributed Modules

- a. What They Are
- b. Where They Are
- c. What They Do
- d. Downloading and Enabling
- e. Popular Modules
- f. Module selection and evaluation

## 15. Layouts in Drupal

- a. Blocks and Regions
- b. Default Blocks
- c. Custom Blocks
- d. Configuring Blocks
  - i. Enabling Default Blocks and Controlling the Front Page

## 16. File System

- a. Download Methods
- b. File Module
- c. Image Module
- d. Storing user uploaded materials

## 17. Custom Content Types with the Fields Module

- a. The PAGE and the ARTICLE
- b. Input Filters
- c. Creating Custom Content-Types
- d. Field Permissions
- e. Adding Custom Fields to Content-Types
- f. Using the Manage Display Settings
  - i. Teaser / Body Displays
  - ii. Labels
  - iii. Display Formats



## 18. Working with Taxonomy

- a. What is taxonomy?
- b. Vocabularies
  - i. Required Vocabulary
  - ii. Controlled Vocabulary
- c. Terms
  - i. Single and Multiple Terms
  - ii. Adding Terms
- d. View Content by Term
- e. Storing Taxonomies
- f. Module-Based Vocabularies
- g. Common Functions

## 19. VIEWS: Advanced Displays With Contributed Module

- a. Overview of VIEWS
- b. VIEW Types
  - i. Default Views
  - ii. Overridden Views
  - iii. Normal Views
- c. Displays
  - i. Basic Settings
  - ii. Display Types
- d. Creating a VIEW With the VIEWS User Interface
  - i. Basic Settings
  - ii. Fields vs Node
  - iii. Filters
  - iv. Arguments
  - v. Relationships



## 20. The Form API

- a. Form Processing
- b. Validation
- c. Form Submission
- d. Redirection
- e. Creating Basic Forms
  - i. Custom Module Basics
  - ii. Creating your own Custom Module
- f. Enabling the Custom Form Module
- g. Accessing the Custom Form
- h. Form API Properties

## 21. XML-RPC and REST

- a. What is XML-RPC?
- b. XML-RPC Clients
- c. A Simple XML-RPC Server
- d. REST (with the Services Module)
  - i. Creating a Drupal REST Server
  - ii. Testing your REST Server





## 22. Theming

- a. Architecture of the Theme System
  - i. Theme Templates
  - ii. The .info file
  - iii. Theme Engine
  - iv. Hooks
- b. Creating a Theme
  - i. Where are the files?
  - ii. Installing a Theme
  - iii. Creating and Enabling a Customized Sub-Theme
  - iv. Theme Inheritance and Sub-Themes
- c. Responsive Design with Adaptive Themes
  - i. Mobile First Design
  - ii. CSS Structure
  - iii. Responsive Stylesheets
  - iv. Progressive Enhancement
  - v. Adaptive Theme Settings
- d. Theming with CSS
- e. Theming with a custom stylesheet
- f. Overriding Theme Behavior with PHP

## 23. Creating Interactive Forms with the Webforms module

## 24. Creating Rules with the Rules module



## 25. Drupal's Database Abstraction Layer

- a. Functions and Methods
- b. Drupal Database Connections
- c. Selecting records with `DB_QUERY`
- d. Custom Database Connections with PDO
- e. Advanced Concepts
  - i. The Schema API
    - 1. Adding tables to a module
    - 2. Adding Schema definition to a module
  - ii. `DB_SELECT`
    - 1. Building a page display with `DB_SELECT`
  - iii. Maintaining tables with `module_update` functions

## 26. DRUSH

- a. What is DRUSH
- b. Installation and Configuration
- c. Getting Started
- d. Useful Commands
- e. Database Updates
- f. Backup Site and Databases
- g. Summary of Commands
- h. Site Aliases
- i. Scripting with DRUSH

## 27. Conclusion

