PHP

Programming & development

Course Curriculum

Core PHP

Module 1: Introduction to PHP

Module Goals: In this part we learn the basics of PHP like syntax, variables, control structures etc. which are the basic building blocks of PHP

Topics

PHP Syntax
HTML Syntax
Language Constructs & Functions
Echo, Include, Require
Variables
Data Types
Language Functions
Data Types

Module 2: Operators

Module Goals: In this part we learn all about the operators which can be used in PHP.

Topics

PHP Operators
Arithmetic
Logical
Binary
Ternary Operators
Operators Reference

Module 3: Control Structures

Module Goals: Knowing conditionals and loops is very important in PHP as they change the flow of your application. We will learn them in this part.

Topics

If...Else...Elseif
Switch
While
Do-While
For
Foreach Loop

Module 4: Variable Scope

Module Goals: In this module we understand the concepts variable scope

Topics

Variable Scope
Super Global

Module 5: Arrays and Forms

Module Goals: In this part we learn about Array and sorting them in PHP.We also get an understanding how to work with Forms and create the most used ones like: Loginform, Sign up form etc.

Topics

Arrays
Indexed Arrays
Associative Arrays
Multidimensional Arrays
Sorting Arrays
Forms - Handling
Forms Validation

Module 6: Files and Directories

Module Goals: In this part we will learn how to work with files and directories in PHP.We will get an understanding of how Cookies and Sessions are used to improve the overall web site performance and experience.

Topics

File
File Upload
Cookies
Sessions
E-mail

Module 7: Errors and Exceptions

Module Goals: In this part we understand the need of error handling.

Topics

Errors
Error handling
Exception
Filters

Module 8: Database

Module Goals: In this module we will work on database operations like create,update,delete,read etc.

Topics

MySql Connect
Database CRUD Operations
Queries
Joins
Prepared Statements

Project Discussion

Module Goals: This module covers a detailed description of real online hotel room booking dynamic PHP website. In this we'll discuss the complete scope of project including payment integration.

Topics

Project description
Project Architecture
Database details
User interface
Admin interface