

Course Name : LEARN PHP IN A DAY
Duration : 1 day (Physical Classroom / Virtual Live Instructor)
Skill Level : Beginner

COURSE DESCRIPTION:

This hands-on, one-day PHP course is designed specifically for absolute beginners who are eager to learn the fundamentals of PHP programming and web development. The course will guide you through setting up a PHP development environment and understanding basic concepts such as variables, data types, and control flow structures. You'll also explore arrays, functions, and how to process user input from forms. With practical exercises throughout, you'll gain a solid understanding of how to write simple PHP scripts and create interactive web pages.

What makes this course unique is the integration of an AI companion, which will assist you throughout the learning process. This cutting-edge tool provides real-time feedback, simplifies debugging, and offers guidance as you tackle coding challenges. Whether you're looking to pursue a career in web development or simply expand your coding knowledge, this course provides a comprehensive and innovative introduction to PHP.

WHAT WILL YOU LEARN?

In this course, you will learn the fundamentals of Python programming, including variables, data types, and control flow. You'll gain hands-on experience with loops, functions, and file handling, as well as explore key data structures like lists, tuples, and dictionaries. Through practical coding exercises, you'll build the confidence to write basic Python programs. Additionally, you will leverage the latest AI companion to assist with coding, helping you to debug, troubleshoot, and improve your coding skills in real-time, ensuring a smooth and interactive learning experience.

PREREQUISITE:

This course is designed for absolute beginners with **no prior programming experience**.

METHODOLOGY:

This program will be conducted with interactive lectures, PowerPoint presentations, discussions, and practical exercises. This course can be conducted as instructor-led (ILT) or virtual instructor-led training (VILT).

JOB SCOPE:

Upon completion of this course, candidates may pursue the following career paths:

- Data Analyst
- DevOps Engineer
- Web Developer
- Data Scientist
- Automation Engineer

MODULE 1: INTRODUCTION TO PHP AND WEB DEVELOPMENT

- Welcome
- Overview of PHP: What it is and how it's used in web development.
- Setting up a PHP development environment (XAMPP/WAMP/LAMP).
- Basic syntax, variables, and data types in PHP.
- Introduction to the PHP file structure and web server basics (index.php).

MODULE 2: CONTROL FLOW, FUNCTIONS, AND ARRAYS

- Understanding control structures: `if`, `else`, `elseif`, and `switch`.
- Loops in PHP: `for`, `while`, `do-while`.
- Functions in PHP: defining and calling functions, passing arguments, returning values.
- Introduction to arrays: indexed arrays, associative arrays, and multidimensional arrays.
- Practice project: Building a PHP script that takes a list of numbers, performs calculations (sum, average), and displays the results.

MODULE 3: WORKING WITH FORMS AND USER INPUT

- Handling form submissions with GET and POST methods.
- Validating and sanitizing user input.
- Introduction to PHP sessions and cookies for maintaining user state.
- Practice project: Creating a user login form with validation.

MODULE 4: INTERACTING WITH DATABASES

- Introduction to MySQL and setting up a database connection using PHP.
- Performing basic CRUD (Create, Read, Update, Delete) operations.
- Using prepared statements for secure queries.
- **Practice project:** Building a CRUD Web App.

CONCLUSION

- QA
- Useful References and Books
- Feedback