

# Certificate in Basics of PHP



The Basics of PHP course introduces learners to fundamental programming concepts required to build dynamic web applications. It covers PHP syntax, operators, loops, conditional statements, and functions, laying a strong foundation in server-side scripting. Learners will explore arrays, object-oriented programming (OOP), database connectivity, and form handling. The course also includes hands-on practice in setting up a web server, managing databases (MySQL), and performing CRUD operations. By the end, students will be able to write PHP scripts, work with databases, and build simple interactive web applications.

## Syllabus & Skills covered (60 hours)



- Explain the history, evolution, and key features of PHP to build a strong foundation in web development.
- Implement arithmetic, comparison, and logical operators while using loops and conditional statements for decision-making.
- Identify how to use if-else, switch, for, while, and foreach loops to control program flow effectively.
- Explore single-dimensional, multidimensional, and associative arrays to store and manipulate data efficiently.
- Understand how to define functions, pass parameters by value and reference, and return values effectively.
- Find the basics of classes, objects, constructors, destructors, and inheritance in PHP.
- Implement insertion, deletion, traversal, and merging operations in arrays and linked lists.
- Identify how to install and configure a web server to execute PHP scripts and host applications.
- Gain hands-on experience in setting up databases, performing CRUD operations, and managing user authentication.
- Find a basic dynamic website using PHP, MySQL, and HTML, implementing user input validation and session management.

## Career Opportunities



- **Junior PHP Developer**
- **Entry-Level Full Stack Developer (PHP)**
- **Backend Developer (PHP)**
- **Website Maintenance Assistant**
- **Web Programmer (Entry-Level)**

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