

Chapter Overview

Chapter 1: An Introduction to PHP 7

After completing this chapter, the student will be able to:

- Understand the difference between LAMP, WAMP, and MAMP
- Successfully install a version of LAMP, WAMP, or MAMP
- Search the Internet for troubleshooting problems
- Explain the difference between a programming language and a scripting language
- Create an error-free simple PHP program

Chapter 2: Interfaces, Platforms, Containers, Three Tier Programming

After completing this chapter, the student will be able to:

- Give examples of platforms or containers that can host PHP programs
- Create a simple, dynamic web application using PHP
- Explain three-tier design and determine what is contained in each tier
- Design a three-tier application
- Explain each step of the program development life cycle (PDLC)
- Define and explain MVC and dependency injection

Chapter 3: Modular Programming

After completing this chapter, the student will be able to:

- Create an error-free simple objected-oriented (OO) modular PHP program
- Create a PHP class and make an instance of the class (object)
- Create an OO PHP encapsulated program, including get and set methods
- Create PHP methods (functions) that accept parameters and return information
- Create PHP public and private properties (variables)
- Import existing PHP code from another file or library into a program
- Validate information received using ternary (conditional) operators