

## TOOLS REQUIRED

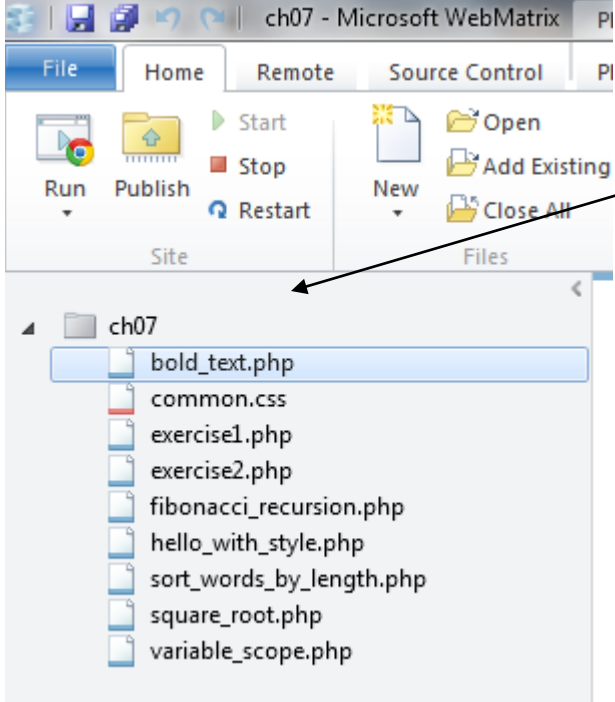
- WampServer version 3.1.0 x64 (Free download Open Source)
- NetBeans IDE version 8.2 (Free download)
- RapidPHP 2014, 2015, 2016 (Trial Edition)
- Notepad++ version 6.7.3 (Free download)
- Beginning PHP 5.3 eBook

## Lab 4 PHP Learning the Language 2

At the end of this practical, you should have learnt the following:

- **Functions (Chapter 7)**
  1. More about how to call functions
  2. How to create your own functions to make your code easier to read and work with
  3. All about parameters and arguments
  4. Variable scope and how to use local, global, and static variables to your advantage
  5. How to create anonymous functions, which are useful when you need to create simple disposable functions
- **Objects (Chapter 8)**
  1. How to define classes, which are the blueprints from which objects are made. You then learn how to create objects from classes
  2. Two important components of objects - properties and methods - and how to use them to add rich functionality to your objects. Along the way you learn how to make your objects as self - contained as possible, which allows them to be readily reused for different purposes
  3. How to use inheritance - a process where one object inherits behaviour from another. This is one of the most powerful aspects of objects. You learn how to achieve this in PHP, and how to fine - tune the inheritance process to create robust classes that you can use again and again
  4. Other OOP concepts such as abstract classes, interfaces, constructors, and destructors
  5. Some of PHP's handy object - related functions for automatically loading classes, converting objects to strings, and identifying an object's class
- **Handling HTML Forms with PHP (Chapter 9)**
  1. Creating HTML forms
  2. Writing PHP scripts to capture the data sent from your forms
  3. Some of the security issues surrounding form data
  4. How to handle empty form fields, as well as form fields that send more than one value at once
  5. Using PHP scripts to generate Web forms, giving your forms a lot of flexibility
  6. Creating forms with built - in error checking

## 1. Download Lab4 Files from BB

 <p>The screenshot shows the Microsoft WebMatrix application window. The title bar reads 'ch07 - Microsoft WebMatrix'. The interface has a ribbon with tabs: 'File', 'Home', 'Remote', and 'Source Control'. The 'File' tab is active, showing a 'Site' group with 'Run', 'Publish', and 'Restart' buttons, and a 'Files' group with 'New', 'Open', 'Add Existing', and 'Close All' buttons. Below the ribbon, a file explorer shows the 'ch07' folder expanded, listing the following files: 'bold_text.php', 'common.css', 'exercise1.php', 'exercise2.php', 'fibonacci_recursion.php', 'hello_with_style.php', 'sort_words_by_length.php', 'square_root.php', and 'variable_scope.php'. An arrow points from the 'Open' button in the 'Files' group to the 'ch07' folder in the file explorer.</p>	<ul style="list-style-type: none"><li>• Use MWM open Folder option to open the ch07/08/09 folder.</li><li>• Select all the php files and edit the content to suit your own design and experiment.</li></ul>
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Open Beginning PHP 5.3 eBook and go to the appropriate pages for reference. You may try out both the Microsoft WebMatrix and PHP Designer options to test PHP programming.

	<ul style="list-style-type: none"><li>• Use PHP Designer Open option to open file in the ch07/08/09 folder.</li><li>• Select all the php files and edit the content to suit your own design and experiment.</li></ul>
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