# https://encrypted-tbn3.google.com/images?q=tbn:ANd9GcTLAZpQzmzAPnXtyNCq1onsRE4y0bvoWlMvd3YA8Lt715oLXEJxWAIT 5302 Intro Web Study Guide Module 6: PHP Prepared by Jack G. Zheng, Spring 2015

## Overview and learning outcomes

PHP is a popular server side programming environment for web applications. We will have some basic practice here to help you understand server side programming.

1. Describe the basics of server side scripting and processing.
2. Explain the role of servers and use a simple PHP enabled web server QuickPHP.
3. Know the role and basic language elements of PHP:
   1. Script structure and position in a HTML page
   2. Statements and expressions
   3. Variables, data types
   4. Operators
   5. Control flow: if, switch, for, while
   6. Array
   7. Function
4. Use PHP to develop simple web applications involving the following elements:
   1. Generating simple client content (HTML/CSS/JavaScript) at the server side
   2. Processing user inputs and form data using GET or POST method
   3. Include common webpage components
   4. Perform client side validation for server side form processing

## Reading list

1. Tutorial videos and examples. Please follow the video to create example files. Note the “DocType” in the video is an old version. The QuickPHP version is also different but the usage is the same.
   1. QuickPHP Server and PHP Basics: <https://www.youtube.com/watch?v=ilotoCdpReI>
2. Lecture notes: php-intro.pdf (with examples.zip) – the lecture notes explains QuickPHP and PHP examples in details.
3. Core online learning materials. Again, choose the one that fits to your learning style and technical foundation. Follow the tutorial to complete the hands-on examples.
   1. <http://www.w3schools.com/php/> PHP Tutorial: “PHP Home” to “PHP Arrays”, or
   2. <http://www.codecademy.com/tracks/php>: Lesson 1 to 8 (until “FUNCTIONS IN PHP, PART II”)
   3. Either a or b above, and read the following
      1. PHP Form Handling: <http://www.w3schools.com/php/php_forms.asp>
      2. PHP Include: <http://www.w3schools.com/php/php_includes.asp>
4. References and examples
   1. QuickPHP quick guide: <http://www.zachsaw.com/forum/viewtopic.php?f=11&t=63>
   2. W3schools: <http://www.w3schools.com/php/php_examples.asp>
5. Additional readings and resources
   1. <http://webcheatsheet.com/php/form_processing.php>
   2. <http://www.slideshare.net/vineetkumarsaini/php-tutorials-for-beginners>

## Task list

1. Exercise:
   1. Complete the PHP exercise. Summarize all mistakes you have made during the exercise.
2. Research and discuss:
   1. How is PHP form processing different from JavaScript form processing? Summarize the HTML form use differences between them.
   2. JavaScript and PHP both can be used to generate dynamic content. What’s the difference? Which one should you choose to use? Summarize and describe some scenarios.
3. Assignment: complete assignment #5
4. Quiz: n/a