

# Web based Application development using PHP (WBP: 22619)

## List of Experiments to be performed

Exp No.	Theory to write	Practical to perform
1	<ol style="list-style-type: none"><li>1. What is PHP? Features, advantages of PHP &amp; MYSQL.</li><li>2. Scope of variables in PHP with syntax.</li><li>3. Echo &amp; Print statement in PHP.</li><li>4. Types of Operators in PHP.</li></ol>	<ol style="list-style-type: none"><li>1. Install and configure PHP web server, MYSQL.</li><li>2. Write a program to print "Welcome to PHP".</li><li>3. Write a simple PHP program using expressions and operators<ol style="list-style-type: none"><li>a. Write a Program to take three variables and perform Addition, Subtraction, Multiplication, Division and Modulus.</li></ol></li><li>4. Write a program to demonstrate the use of GLOBAL keyword in PHP.</li><li>5. Write a program to demonstrate the use of GLOBAL array in PHP.</li><li>6. Write a program to demonstrate the use of STATIC keyword in PHP.</li></ol>
2	<ol style="list-style-type: none"><li>1. Decision making and Control Statements in PHP with syntax.</li></ol>	<ol style="list-style-type: none"><li>1. Write a Program to print whether the number is Even or Odd using if else statement.</li><li>2. Write a Program to print whether the character is Vowel or not using else if ladder.</li><li>3. Write a Program to print the greatest of three numbers using nested if else.</li><li>4. Write a Program to print whether the year is the Leap Year or not using if else statement.</li><li>5. Write a Program to print the Day of the Week using Switch Statement.</li><li>6. Write a Program to print the Month of the Year using Switch Statement.</li><li>7. WAP to print whether it is a Vowel or not using Switch Statement.</li></ol>

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3.	<ol style="list-style-type: none"> <li>1. Loop control structures in PHP with syntax.</li> </ol>	<ol style="list-style-type: none"> <li>1. Write a Program to print whether the number is the Armstrong number or not using while loop.</li> <li>2. Write a Program to print whether the number is the Palindrome or not using while loop.</li> <li>3. Write a Program to print whether the number is Prime or not using for loop.</li> <li>4. Write a Program to print the Right angle triangle using for while loop.</li> <li>5. Write a Program to print the Equilateral triangle using for loop.</li> <li>6. Write a Program to print the Fibonacci Series.</li> <li>7. Write a Program to create a Menu Driven Program using do while loop.</li> </ol>
4.	<ol style="list-style-type: none"> <li>1. Arrays in PHP.</li> <li>2. Types of Arrays in PHP: Indexed, Associative and Multidimensional with syntax.</li> <li>3. Implode(), explode(), array_flip() functions.</li> <li>4. Array Traversing.</li> </ol>	<ol style="list-style-type: none"> <li>1. Write a PHP script to Create and display Index array, Associative array and Multidimensional array.</li> <li>2. Write a PHP script to sort an array in ascending order.</li> <li>3. Write a PHP script to perform searching in an array.</li> <li>4. Write a PHP script to find minimum and maximum value in an array.</li> <li>5. Write a PHP script to perform searching in a two dimensional array.</li> <li>6. Write a PHP script to find minimum and maximum value in a two dimensional array.</li> <li>7. Write a PHP script to demonstrate the use of implode() function .</li> <li>8. Write a PHP script to demonstrate the use of explode() function .</li> <li>9. Write a PHP script to demonstrate the use of array_flip() function .</li> <li>10. Write a PHP script to demonstrate the use of array_walk() function .</li> <li>11. Write a PHP script to demonstrate</li> </ol>

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		the use of array_map() function .
5	1. Explain all string related functions in PHP. Also explain their syntax.	1. Write a Program to Count the number of words in a String. (Execute for all return parameter values). 2. Write a Program to Count the length of a String, to find the position of String and to compare two Strings. 3. Write a Program to Reverse a String. 4. Write a Program to Replace a String with the other String. Also count the number of replacements. 5. Write a Program to convert the String to Uppercase, Lowercase, capitalize the first character of a string.
6	1. Explain the concept of functions in PHP with proper syntax. 2. Explain pass by reference in PHP. 3. Explain Variable function in PHP. 4. Explain Anonymous function in PHP.	1. Write a Program to demonstrate Pass by Value using function. 2. Write a Program to demonstrate Pass by Reference using function. 3. Write a Program to demonstrate default arguments in function. 4. Write a program to create a Variable function. 5. Write a Program for Anonymous function using variable. 6. Write a Program for Anonymous function using array. 7. Write a Program to implement the concept of Callback using Anonymous function. 8. Write a Program to implement the concept of Closure using Anonymous function.
7.	1. Explain the following functions with proper syntax. imagecreate() imagecolorallocate() imagegif()	1. Write a Program to create an image in PHP. 2. Write a Program to create an image with text in PHP. 3. Write a Program to create an image

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	imagejpeg() imagewbmp() imagepng() imagestring() imagecopyresized() imagecopyresampled() AddPage() SetFont() Cell()	in PHP and display that image in HTML Page. 4. Write a Program to demonstrate the use of imagecopyresized() and imagecopyresampled() functions. 5. Write a Program to generate a PDF using FPDF.
8.	1. Explain the concept of class and object with syntax in PHP. 2. Explain the concept of constructor and destructor with syntax in PHP. 3. Explain the concept of Inheritance in PHP. Also explain types of Inheritance with proper syntax. 4. Explain Static methods and Static properties in PHP. 5. Explain Method Overloading in PHP. 6. Explain Method Overriding in PHP. 7. Explain Final Keyword w.r.t. Class and Method. 8. Explain the concept of object cloning in PHP. Also explain types of cloning.	1. Write a Program for Array of Objects. 2. Write a Program for Method Overloading. 3. Write a Program for Method Overriding. 4. Write a Program for Single level Inheritance. 5. Write a Program for Multi-level Inheritance. 6. Write a Program for Multiple Inheritance. (make use of Trait) 7. Write a Program for Hierarchical Inheritance. 8. Write a Program for Constructor and Destructor. 9. Write a Program for Abstract class. 10. Write a Program for Final keyword with respective to class. 11. Write a Program for Final keyword with respective to function. 12. Write a Program for static keyword with respective to variable. 13. Write a Program for static keyword with respective to function and properties.
9.	1. What is Introspection? Explain different functions of Introspection. 2. Explain Serialization technique in	1. Write a Program to use all the function of Introspection. 2. Write a Program to use the function of Serialization.

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	PHP. Also explain serialize and unserialize method.	
10.	1. Explain HTML controls used in the program with proper syntax.	1. Write a Program for designing a Webpage using Textbox, Radio button, Checkbox and Buttons and display all the data that is entered by user.
11.	1. Explain HTML controls used in the program with proper syntax.	1. Write a Program to add hidden field, listbox, and combobox on webpage and display the values entered and selected on the next page.
12.	1. What is Regular Expression? 2. Explain all Symbols, Characters, and Modifiers, functions related to Regular Expression in PHP, use proper syntax and example.	1. Write a Program to validate Name, Age, Date of Birth, Email and Password. 2. Write a Program to validate IP Address. 3. Write a Program to validate Company specific Email Id.
13	1. What is a Cookie? 2. How to create, retrieve, modify and delete a cookie in PHP? 3. What is a session? 4. How to start, modify and destroy a session in PHP?	1. Write a Program to Create, Modify, Delete and Display the Cookie Details. 2. Create a registration page and accept the details from user and store them in session variable. Display all details on next page.
14.	1. Explain how to send a mail in PHP.	1. Write a php script to send Email using mail() function.
15.	1. Explain MySQL database. 2. How to create a database. 3. How to create a table. 4. Connecting to MySQL database. 5. Database operations: Insert & Retrieve operation.	1. Write a Program to create a form and store the entered data in the database also displays the entered data.
16.	1. Explain database operation: Update Delete	1. Write a Program to create a form and update the entered data in the database also displays and delete the entered data.