SEC 2: PHP Programming

Practical: 50

Total Marks:25

Internal Assessment: 25

2 Lectures, 4 Practicals (each in group of 10 to 15)

| software requirements (like Web Server, Database, Editors etc.) 2. PHP with other technologies, scope of PHP 3. Basic Syntax, PHP variables and constants 4. Types of data in PHP, Expressions, scopes of a variable (local, global) 5. PHP Operators: Arithmetic, Assignment, Relational, Logical operators, Bitwise, ternary and MOD operator. 6. PHP operator Precedence and associativity PHP conditional events and Loops: 7. PHP IF Else conditional statements (Nested IF and Else) 8. Switch case, while, For and Do While Loop 9. Goto, Break, Continue and exit | (4L) Chap 1, 2, 3 ref 3 |
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| PHP with other technologies, scope of PHP Basic Syntax, PHP variables and constants Types of data in PHP, Expressions, scopes of a variable (local, global) PHP Operators: Arithmetic, Assignment, Relational, Logical operators, Bitwise, ternary and MOD operator. PHP operator Precedence and associativity PHP conditional events and Loops: PHP IF Else conditional statements (Nested IF and Else) Switch case, while ,For and Do While Loop Goto, Break, Continue and exit | Chap 1, 2, 3 ref 3 |
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| 5. PHP Operators: Arithmetic, Assignment, Relational , Logical operators, Bitwise , ternary and MOD operator. 6. PHP operator Precedence and associativity PHP conditional events and Loops: 7. PHP IF Else conditional statements (Nested IF and Else) 8. Switch case, while ,For and Do While Loop 9. Goto , Break ,Continue and exit | |
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| 8. Switch case, while ,For and Do While Loop 9. Goto , Break ,Continue and exit | |
| 9. Goto , Break ,Continue and exit | Cliab 4 |
| 9. Goto , Break ,Continue and exit | |
| | ref 3 |
| PAP FUNCTIONS: | (2L) |
| | Chap 5 |
| | ref 4 |
| 12. Function argument with call by value, call by reference | 1017 |
| 13. Scope of Function Global and Local | |
| | (4L) |
| | Chap 4 |
| | ref 4 (upto |
| | table 4.5 |
| | pg 128) |
| | Pages ref |
| | 3 Pg 386- |
| CAPICSSION | 387, ref 5 |
| | sec 23.1, |
| | 23.9, |
| | 23.10 |
| | (4L) |
| Array. | Chap 6 |
| | Ref 3, |
| Accessing analy | excluding |
| | Multi- |
| | |
| 20. Some decidi Energy | dimension |
| | al arrays |
| | (pg 129 to |
| | 132) |
| Handling HTML TOTTI With . | (6L) |
| 21 Capturing Form Data | Section |
| 22 CET and POST 10IIII metrious | 9.17 and |
| 22 Dealing with multi value lielus | 9.18 ref 5, |
| 24. Redirecting a form after submission | Chap 5 |
| 24. Redirecting | ref 1 |
| | |
| | except pg |
| Arrand Shire from Juk. Dahar O4/01/17 Aahar O4/01/17 | 101/2017 |

| 184 | to |
|-------|---------------------|
| 190 | |
| (6L) | 10 |
| ref 1 | |
| | 190 (6L) Chap |

Reference Books:

- 1. Steven Holzner, "PHP: The Complete Reference Paperback", McGraw Hill Education (India), 2007.
- 2. Timothy Boronczyk, Martin E. Psinas, "PHP and MYSQL (Create-Modify-Reuse)", Wiley India Private Limited, 2008.
- 3. Robin Nixon, "Learning PHP, MySQL, JavaScript, CSS & HTML5", 3rd Edition Paperback, O'reilly, 2014.
- 4. Luke Welling, Laura Thompson, PHP and MySQL Web Development", 4th Edition, Addition Paperback, Addison-Wesley Professsional, 2008.
- 5. David Sklar, Adam Trachtenberg, "PHP Cookbook: Solutions & Examples for PHP Programmers", 2014.

Any convenient architecture: WAMPP, LAMP, XAMPP, IIS, TomCat etc (any web server) maybe used for the following lab exercises.

- 1. Create a PHP page which accepts string from user. After submission that page displays the reverse of provided string.
- 2. WAP to sort an array. (using built in php functions)
- 3. Write a menu driven PHP script that :
 - a. Removes the whitespaces from a string.

Sample string: 'The quick " " brown fox' Expected Output : Thequick""brownfox

- b. Checks if a string contains another string. (using built in php functions)
- c. Checks if a string is all lower case. (using regex)
- d. Replace the first 'the' of the following string with 'That'.

Sample: 'the quick brown fox jumps over the lazy dog.'

Expected Result: That quick brown fox jumps over the lazy dog.

- 4. Create a simple 'birthday countdown' script, the script will count the number of days between current day and birth day.
- 5. \$color = array('white', 'green', 'red")

Write a PHP script which will display the colors in the following way :

Output:

white, green, red,

- green
- red
- white
- 6. Using switch case and dropdown list display a "Hello" message depending on the language selected in drop down list.
- 7. Create a login page having user name and password. On clicking submit, a welcome message should be displayed if the user is already registered (i.e.name is present in the database) otherwise error message should be displayed.

- 8. Write a PHP program to check that the entered email id of the form username@domainname is valid and the domain name is present in the database table.
- 9. Create a database table containing the marks of students in three subjects along with their roll number and name. Create a PHP page to display the mark sheet of the student along with the grade obtained.

Self Learning Exercises PHP:

- 10. Create a PHP page using functions for comparing three integers and print the largest
- 11. Write a function to calculate the factorial of a number (non-negative integer). The function accept the number as an argument.
- 12. WAP to check whether the given number is prime or not.
- 13. WAP to print first n even numbers.
- 14. Write a PHP script that finds out the sum of first n odd numbers.
- 15. Write a PHP script that checks whether a passed string is palindrome or not? (A palindrome is word, phrase, or sequence that reads the same backward as forward, e.g., madam or nurses run)
- 16. Write a PHP program to print Fibonacci series using recursion.
- 17. Create a script to construct the following pattern, using nested for loop.

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