PSG COLLEGE OF TECHNOLOGY, COIMBATORE – 641 004
Department of Applied Mathematics and Computational Sciences
MSc SOFTWARE SYSTEMS – Semester II
18XW28 – Web Designing Lab
PROBLEM SHEET 7– PHP & MySQL

Start Date: 12.03.2020 **Complete Date:** 24.03.2020

1. Write a PHP script to get the PHP version and configuration information.
2. Create a PHP script that displays 1-2-3-4-5-6-7-8-9-10 on one line. There will be no hyphen(-) at starting and ending position.
3. Write a PHP program to keep track of the number of visitors visiting the web page and display the count of visitors with proper headings.
4. Write a PHP program to display a digital clock which displays the current time of the server.
5. Write a PHP script to calculate and display average temperature, five lowest and highest temperatures using functions.
6. Write a PHP script that removes the whitespaces from a string.
   Sample String: 'The quick " " brown fox'
   Expected Output: Thequick""brownfox
7. Write a PHP function 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.
8. Write a PHP script to sort the following associative array using functions: array("Sophia"=>"31","Jacob"=>"41","William"=>"39","Ramesh"=>"40") in
   a) ascending order sort by value
   b) ascending order sort by key
   c) descending order sorting by value
   d) descending order sorting by key
9. Write a PHP script to store and retrieve persistent data across a client session.
10. Write a PHP script to simulate the Shopping Cart, allow users to select items from a catalog and save them for later access using session.
11. Write a PHP script to store and retrieve cookies in a web page.

12. Write a PHP script named states.php that creates a variable $states with the value *"Mississippi Texas Massachusetts Kansas"*. The script should perform the following tasks:

    a) Search for a word in *$states* that ends in *xas*. Store this word in element 0 of an array named *$statesArray*.

    b) Search for a word in *$states* that begins with *k* and ends in *s*. Perform a case-insensitive comparison. Store this word in element 1 of *$statesArray*.

    c) Search for a word in *$states* that begins with *M* and ends in *s*. Store this element in element 2 of the array.

    d) Search for a word in *$states* that ends in a. Store this word in element 3 of the array.

    e) Search for a word in *$states* at the beginning of the string that starts with *M*. Store this word in element 4 of the array.

    f) Output the array *$statesArray* to the screen.

13. Write a PHP script that tests whether an e-mail address is input correctly. Verify that the input begins with series of characters, followed by the @ character, another series of characters, a period (.) and a final series of characters. Test your program, using both valid and invalid e-mail addresses.
14. Write a PHP program to sort the student records which are stored in the database using selection sort.
15. Write a PHP script that obtains a URL and its description from a user and stores the information into a database using MySQL. Create and run a SQL script with a database named *URL* and a table named *URLTable*. The first field of the table should contain an actual *URL*, and the second, which is named Description, should contain a description of the *URL*. Use www.deitel.com as the first *URL*, and input *'Cool site!'* as its description. The second *URL* should be www.php.net, and the description should be '*The official PHP'* site. After each new *URL* is submitted, print the contents of the database in a table.
16. Develop a PHP program to authenticate users with a valid *User Id* and *Password* before granting access to a protected resource.

Web Resources:

1. ***https://www.tutorialspoint.com/php/***
2. ***https://www.javatpoint.com/php-tutorial***
3. ***https://www.w3schools.com/php/***
4. ***https://www.guru99.com/php-tutorials.html***