

### **Exercised for Lab based on PHP Programming**

Q1. Write a PHP script to print the date in ten different formats.

Q2. Create an associative array of 6 students, where the roll no is the key and value is the array of {name, date of birth, course, batch year}. Display the student details in a HTML table as shown below. All six student rows should be displayed. The background color of the row should alternate.

Roll No.	Name	Date of Birth	Course	Batch Year
101	David	19-03-2000	COMPSC	2018
102	Mary	25-04-2001	POLSC	2019
104	Charlie	22-06-2000	PSYCH	2018

Q3. Write a function median() to return the median of the numbers stored in an array, passed as an input argument.

Q4. Write a recursive function binsearch() to implement a recursive binary search algorithm to search an element in an array. The function should return true if the element is found and false otherwise.

Q5. Improve the function written in Q3 to return the position of the element as well. The function should return -1 if the element does not exist.

Q6. Create your own library of functions for different sorting algorithms. In your library add the functions for bubble sort, quick sort and selection sort. Include this file in another PHP file and call these functions to sort the numbers input by the user. (Use the function require())

Q7. Create a mini website of your own containing 2-3 web pages. Every page of your site should include a common header and footer section. Use include() function to include common header and footer on all the pages.

Q8. In your site created in Q7, provide a login form on the home page. Your site should identify five username and password pre-set combinations. Use an associative array to store the pre-set username and passwords as key-value pairs. The message "Login Success" should be displayed if a valid username and password is entered; display "Login Failed" otherwise.

Q9. In your site created in Q7, add a feedback form as shown below:

Please spare a few minutes for giving your valuable feedback.

Your name:

Gender: 

Male

Female

Occupation: ☐ Service ☐ Self-employed ☐ Other

Email Address:

Comments:

Submit

Reset

Q10. Save the feedback filled in by the user via feedback form in Q9 in a database table FEEDBACK. Use MySQL as a database server.

Q11. Improve the feedback form created in Q9 by adding validations to the data entered by the user as per following rules:

- Name should not be blank
- One of the occupation must be selected
- Email address should be a valid email address. Use regular expressions for validating email addresses.
- Comments should be at least 20 words.

Q12. Create a webpage allfeedback.php. This page should display all the feedback entries saved in the database table FEEDBACK in a nice tabular format.

Q13. Add a sign-up form in your site created in Q7. The new user sign-up data should be saved in a database table USER. The sign-up form can have following fields:

1. First Name and Last Name
2. Username/login-id
3. Password
4. Date of Birth (using drop-down)
5. Email address
6. Gender
7. Checkbox for agreeing to terms and conditions

Q14. Using regular expressions and string functions, apply suitable validation checks to the data entered in the sign-up form by the user as in Q13. Assume general validation criteria for the form fields.

Q15. Improve login functionality done in Q8. Check the valid username and password pair from the database table USER as created in Q13.

Q16. Create a web page as shown below. Calculate and display the result of the operation selected by the user with 'a' and 'b' as input.

Enter a:

Enter b:

Select an operator: ☐ + ☐ - ☐ \* ☐ /

**Result**

Q17. Create a resume building web application. Ask the user to enter his vital resume details via a web form like: Salutation, First Name, Last name, DoB, Gender, Marital Status, Address, Email Address, Areas of Specialisation, Post Graduation details, Graduation Details, Other skills etc. Also, ask the user to upload his passport size picture. After the user submits the form, display the details provided in a nicely formatted resume.