 Assignment- 2

Trainer: Date:

**PHP**

1. Display string on the page using echo and print statements. "Hello World! This string is displayed using echo/print statement".

2. Create multiple variables with different data types and display them on page using echo.

3. Write a program for performing operations on variables add, multiply, division.

4. Write a program to print table of 10 by using for loop (while, do while and for loop).

5. Write a program to calculate electricity bill of a user;

conditions - If consumption is below 100 units apply rate of Rs. 6

conditions - If consumption is above 100 units and below 250 units apply rate of Rs. 10

conditions - If consumption is above 250 units apply rate of Rs. 15 and additional consumption charge of 5% on the bill.

6. Write a program to replace word "position" with your Developer and "x" with number of year in the string "I have been working as a position for x years.".

7. Write a program to check the position of word "experience" in the string "It was a very enriching experience at the University as not only we were actively involved in practical projects"

8. Write a program to reverse the string "elgoogmorfmargorpsihtdeipoc ton evaheW"

9. Write a program to calculate factorial for 5.

10. Create a program to check the gender using switch case.

steps - Take a variable with value Male/Female.

display results as "gender selected is - "

default condition display "Select Gender".

11. Write a program for performing operations add, multiply, division using switch case.

12. Write a program to print pyramid of \* using for loop (up to 6 \* in the last row)

13. Write program to print

a)  \*

     \* \*

     \* \* \*

     \* \* \* \*

     \* \* \* \* \*

     \* \* \* \* \* \*

b) \* \* \* \* \* \*

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c)  \*

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14. Create a program to display chess board using loops. (8 X 8)

15. Write a function to check if number is prime

16. Write a function to calculate factorial of number 7.

17. Write a function to change the string to uppercase and lowercase. Default to lowercase.

18. Create a calculator to perform addition, subtraction, multiplication and division. Create functions for each action separately.

19. Create a table to display users data (first name, last name, dob, email) using foreach, use associative array.

20. Create a table to display users data (email, username, [multiple phone numbers]). A user can have 1 or more phone numbers, Display them in one column.

21. Write program to sort array.

22. Write a program and take 2 arrays.

a) State - ['mp' => MP, 'raj' => Rajasthan, 'maha' => Maharashtra, 'guj' => Gujrat];

b) Cities - ['mp' => ['Indore', 'Dewas', 'Ujjain'],

             'maha' => ['Mumbai', 'Pune', 'Nashik', 'Nagpur'],

             'raj' => ['Jaipur', 'Udaipur'],

             'guj' => ['Ahmedabad', 'Surat', 'Vadodara']];

c) Display the data in table by accessing the array using foreach loop. In this way -

State | City List

23. Write a program to merge 2 arrays.

24. Write a program to show example for array\_merge\_recursive.

25.Create a form with following fields, submit the form data using GET method and display the post data on the same page below the form with proper labels for the field value and remove whitespaces from the data posted.

a) Fields - First Name, Last Name, Gender (radio buttons), Email and Comment (textarea)

26. Create a registration form and submit the data on another page with POST method to display the post data in a well informatic way.

27. Create a login form and submit it using POST method on same page and display error message above the form for required fields.

28. Write a PHP class to calculate the factorial of an integer.28. Write a PHP Calculator class which will accept two values as arguments, then add them, subtract them, multiply them together, or divide them on request.  
29. Write a PHP class to print table any number passed from frontend.  
30. Write a PHP class to calculate electricity bill of a user;  
conditions - If consumption is below 100 units apply rate of Rs. 6  
conditions - If consumption is above 100 units and below 250 units apply rate of Rs. 10  
conditions - If consumption is above 250 units apply rate of Rs. 15 and additional consumption charge of 5% on the bill.  
Need to pass the consumption value from frontend form.  
31. Write a PHP class to replace word "position" with your Developer and "x" with number of year in the string "I have been working as a position for x years.".  
32. Write a PHP class to check the position of word "experience" in the string "It was a very enriching experience at the University as not only we were actively involved in practical projects".  
33. Write a PHP class to reverse the string "elgoogmorfmargorpsihtdeipoc ton evaheW"  
34. Write a PHP class to calculate factorial for 5.  
35. Write a PHP class to get sorted array values in ascending and descending order. Create a single functions for both operations and pass parameter to identify the operation.  
 Sample array: array(11, -2, 4, 35, 0, 8, -9)  
**AJAX**  
36. Create a registration form with following fields.  
first name, last name, email, password, confirm password, contract number  
All fields are required and also apply all appropriate validation on all fields from client side and server side both.  
Register user with jQuery Ajax post method and after successful registration redirect user on thank you page.  
37. Create login form with username and password.  
 Submit this form with jQuery Ajax and after successful login redirect user to "My Account" page.  
38. Create a registration form using bootstrap and use all types of inputs (text, select dropdown, radio, checkbox, file etc.). Submit the form via HTTP Post method.  
39. Create a simple form to take input from user in number. Create a service class to generate table of the given number. Use this class in controller as dependency injection. Pass the output to view and return to screen.

**MAGENTO**  
40. What are the important files which are required to create a module?  
41.What do registration.php and module.xml files?   
42.Create a module with these details:  
 Vendor Folder: Mangoit  
 Module Folder: BloggerPost  
43. What is Routing and how does it work?

44. Create a route for frontend and backend with this details:  
Route name: mangoit (for both frontend and backend)

45. Create account on [https://dummyapi.io/.](https://dummyapi.io/)  
46. Call all "comment" and "post" data api with curl.