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| **S.N.** | **Program Title** | **Submission Date** | **Signature** | **Remarks** |
| 1. | Write a PHP script to print the first 10 even numbers using a while loop. | 2025/07/24 |  |  |
| 2. | Create a program to print a multiplication table of a number using for loop. |
| 3. | Write a script that uses do...while loop to calculate the factorial of a number. |
| 4. | Use a loop to calculate the sum of digits of a given number in PHP. |
| 5. | Create a pyramid pattern using nested for loops in PHP. |
| 6. | Write a PHP program to reverse a number using a loop. |
| 7. | Display the Fibonacci series up to n terms using a for loop. |
| 8. | Create a program that finds all prime numbers between 1 and 100 using a loop. |
| 9. | Write a PHP script to find the largest number in an array using foreach loop. |
| 10. | Use a loop to count the number of vowels in a string. |
| 11. | Write a PHP function to check whether a number is even or odd. | 2025/07/24 |  |  |
| 12. | Create a function that accepts a string and returns it in reverse order. |
| 13. | Write a function that takes an array of numbers and returns the average. |
| 14. | Create a function to check whether a string is palindrome or not. |
| 15. | Write a function to count the number of words in a given sentence. |
| 16. | Build a function that converts temperature from Celsius to Fahrenheit. |
| 17. | Write a recursive function to calculate the factorial of a number. |
| 18. | Create a user-defined function to check whether a year is a leap year. |
| 19. | Write a function that calculates the sum of an array using foreach. |
| 20. | Create a function that returns the nth term of the Fibonacci sequence using recursion. |

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| **S.N.** | **Program Title** | **Submission Date** | **Signature** | **Remarks** |
| 21. | To find the second largest number in a numeric array. | 2025/07/24 |  |  |
| 22. | Create a PHP function that reverses a numeric array without using built-in functions like array\_reverse(). |
| 23. | To calculate the average of elements in a numeric array. |
| 24. | Merge two numeric arrays and remove duplicate values without using array\_unique(). |
| 25. | To sort an array in descending order manually (without rsort()). |
| 26. | Accept five numbers from the user in a numeric array and display only the prime numbers. |
| 27. | Rotate a numeric array to the left by two positions. For example. [1,2,3,4,5] => [3,4,5,1,2]. |
| 28. | To store student names as keys and their scores as values. Find the student with the highest score. |
| 29. | Create an associative array of countries and their capitals. Display them alphabetically by country name. |
| 30. | Create an associative array with product names as keys and prices as values. Apply a 10% discount to all products and print updated prices. |
| 31. | To search a value in an associative array and display the corresponding key. | 2025/07/24 |  |  |
| 32. | Store employee names as keys and departments as values. Count how many employees are in each department. |
| 33. | Store user name and ages. Display users who are above 18 years. |
| 34. | Create a 2D array to store marks of 5 students in 3 subjects. Calculate total and average for each student. |
| 35. | Represent an inventory system using a multidimensional array (product name, quantity, price). Print stock value of each product. |
| 36. | Construct a multidimensional array to represent a monthly calendar. Display all dates of Sundays in the month. |
| 37. | Store employee records (ID, Name, Department) and display details of employees in the “Sales” department. |
| 38. | Create a library record system where each book has title, author and available copies. Find books with less than 2 copies. |
| 39. | To transpose a 3x3 matrix stored in a multidimensional array. |
| 40. | Build a timetable array for a class. Each day has subject scheduled. Print the timetable for Wednesday. |

**National College of Computer Studies**

**Paknajol, Kathmandu**

Lab Report No. 1

**Web Technology II**

**Submitted by:**  **Submitted to:**

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Program: BIM Shrija Shrestha

Roll no: 19

Section: B

**Date of submission:** 2025/07/24



















