

# **WEB PROGRAMMING LAB MANUAL**

**Course: Web Programming**

**Experiments Using PHP**

# **Experiment 1**

**Title:** Odd or Even Checker and Factorial Calculator

**Aim:** To develop a PHP web application to check whether a number is odd or even and to calculate its factorial.

**Theory:** PHP is a server-side scripting language used to develop dynamic web applications. Conditional statements and loops are used to perform logical operations such as checking odd/even numbers and calculating factorials.

**Algorithm:**

1. Start the program
2. Accept a number from the user
3. Check whether the number is divisible by 2
4. Display whether it is odd or even
5. Calculate factorial using loop
6. Display factorial
7. Stop the program

**Program:(left side)**

**output:(left side)**

**Result:** Thus, the program to check odd/even and calculate factorial was successfully executed.

## **Experiment 2**

**Title:** Fruit Price Calculator Using Associative Array

**Aim:** To develop a PHP web application using associative arrays to calculate the total price of selected fruits.

**Theory:** Associative arrays in PHP store data in key-value pairs. They are useful for storing related data such as fruit names and their prices.

**Algorithm:**

1. Start the program
2. Create associative array for fruit prices
3. Accept fruit name and quantity
4. Calculate total cost
5. Display result
6. Stop the program

**Program:**

**output:**

**Result:** Thus, the fruit price calculator using associative arrays was successfully implemented.

## **Experiment 3**

**Title:** Data Retrieval Using Multidimensional Array

**Aim:** To develop a PHP web application to retrieve user data using a multidimensional array.

**Theory:** A multidimensional array is an array containing one or more arrays. It is useful for storing structured data such as user details.

**Algorithm:**

1. Start the program
2. Create multidimensional array of users
3. Accept email input
4. Search the array
5. Display matching record
6. Stop the program

**Program:**

**output:**

**Result:** Thus, the data retrieval using multidimensional array was successfully implemented.