List Of Experiments

1.Write a php program to print elements of the Indexed, Associative Arrays.

```php
<?php
// Indexed Array
$colors = ["Red", "Green", "Blue"];
print("<b>Indexed array elements</b> <br>");
foreach($colors as $value){
        echo $value."<br> ";
}


// Associative Array
$person = ["name" => "Raju", "age" => 24];
print("<b>Associate array elements</b> <br>");
foreach($person as $key =>$value){
        echo $key."=>". $value;
        echo "<br>";
}
?>
```

Indexed array elements
Red
Green
Blue
Associate array elements
name=>Raju
age=>24

2. Write a PHP Program to display the today's date.
```php
<?php
// Set timezone if needed (optional)
date_default_timezone_set("Asia/Kolkata");


// Display today's date
echo "Today's Date: " . date("d-m-Y");
```

?>

<u>Output</u>

Today's Date: 23-07-2025

3. Write a PHP program to display Fibonacci series.

```php
<?php
// Number of terms to display

$n = 10;


// First two terms

$f1 = 0;

$f2 = 1;


echo "Fibonacci Series up to $n terms:<br>";


for ($i = 1; $i <= $n; $i++) {

    echo $f1 . " ";


    // Calculate next term

    $next = $f1 + $f2;

    $f1 = $f2;

    $f2 = $next;

}
?>
```

<u>Output</u>

Fibonacci Series up to 10 terms: 0 1 1 2 3 5 8 13 21 34

4. Write a PHP Program to read the employee details.

Step 1: employee_form.html

```html
<!-- Save this as employee_form.html -->
```

```html
<form method="post" action="employee_details.php">
    <h3>Enter Employee Details</h3>
    Name: <input type="text" name="emp_name"><br><br>
    ID: <input type="text" name="emp_id"><br><br>
    Department: <input type="text" name="emp_dept"><br><br>
    Salary: <input type="number" name="emp_salary"><br><br>
    <input type="submit" value="Submit">
</form>
```

Step 2: employee_details.php

```php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = $_POST['emp_name'];
    $id = $_POST['emp_id'];
    $dept = $_POST['emp_dept'];
    $salary = $_POST['emp_salary'];

    echo "<h3>Employee Details</h3>";
    echo "Name: $name<br>";
    echo "ID: $id<br>";
    echo "Department: $dept<br>";
    echo "Salary: ₹$salary<br>";
}
?>
```

<u>Output</u>

Employee Details

Name: Raju

ID: 101

Department: CS

Salary: $15000

5. Write a PHP program to prepare the student marks list.

Step 1: student_form.html

```html
<!-- Save as student_form.html -->
<form method="post" action="student_marks.php">
   <h3>Enter Student Details</h3>
   Name: <input type="text" name="name"><br><br>
   Roll No: <input type="text" name="roll"><br><br>


   <h4>Enter Marks (Out of 100):</h4>
   Maths: <input type="number" name="maths"><br><br>
   Science: <input type="number" name="science"><br><br>
   English: <input type="number" name="english"><br><br>


   <input type="submit" value="Submit">
</form>
```

Step 2: student_marks.php

```php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
   $name = $_POST['name'];
   $roll = $_POST['roll'];
   $maths = $_POST['maths'];
   $science = $_POST['science'];
   $english = $_POST['english'];


   $total = $maths + $science + $english;
   $average = $total / 3;


   echo "<h3>Student Marks List</h3>";
   echo "Name: $name<br>";
   echo "Roll No: $roll<br>";
```

```php
    echo "Maths: $maths<br>";

    echo "Science: $science<br>";

    echo "English: $english<br>";

    echo "<strong>Total Marks: $total</strong><br>";

    echo "<strong>Average Marks: " . number_format($average, 2) . "</strong><br>";


    // Optional: Grade

    if ($average >= 90) {

        $grade = "A+";

    } elseif ($average >= 75) {

        $grade = "A";

    } elseif ($average >= 60) {

        $grade = "B";

    } elseif ($average >= 40) {

        $grade = "C";

    } else {

        $grade = "Fail";

    }


    echo "<strong>Grade: $grade</strong>";

}
?>
```

Sample Output:

Student Marks List

Name: Raju

Roll No: 101

Maths: 85

Science: 90

English: 78

Total Marks: 253

Average Marks: 84.33

Grade: A

6.Create student registration form using text box, check box, radio button, select, submit button. And display user inserted value in new PHP page.

Step 1: registration_form.html

```html
<!-- Save as registration_form.html -->
<form method="post" action="display_student.php">
  <h2>Student Registration Form</h2>


  Name: <input type="text" name="name" required><br><br>


  Email: <input type="email" name="email" required><br><br>


  Gender:
  <input type="radio" name="gender" value="Male" required> Male
  <input type="radio" name="gender" value="Female"> Female
  <br><br>


  Course:
  <select name="course">
    <option value="B.Tech">B.Tech</option>
    <option value="B.Sc">B.Sc</option>
    <option value="B.Com">B.Com</option>
    <option value="BA">BA</option>
  </select><br><br>


  Hobbies:<br>
  <input type="checkbox" name="hobbies[]" value="Reading"> Reading<br>
  <input type="checkbox" name="hobbies[]" value="Music"> Music<br>
  <input type="checkbox" name="hobbies[]" value="Sports"> Sports<br><br>
```

```
    <input type="submit" value="Register">

</form>
```

Step 2: display_student.php

```php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $name   = $_POST['name'];

    $email  = $_POST['email'];

    $gender = $_POST['gender'];

    $course = $_POST['course'];

    $hobbies = isset($_POST['hobbies']) ? $_POST['hobbies'] : [];


    echo "<h2>Student Registration Details</h2>";

    echo "Name: $name<br>";

    echo "Email: $email<br>";

    echo "Gender: $gender<br>";

    echo "Course: $course<br>";

    echo "Hobbies: ";


    if (!empty($hobbies)) {

        echo implode(", ", $hobbies);

    } else {

        echo "None";

    }

}

?>
```

7.Create Website Registration Form using text box, check box, radio button, select, submit button. And display user inserted value in new PHP page.

Step 1: website_registration_form.html

```html
<!DOCTYPE html>

<html>
```

```html
<head>
    <title>Website Registration Form</title>
</head>
<body>
    <h2>Website Registration Form</h2>
    <form method="post" action="registration_output.php">
        Full Name: <input type="text" name="fullname" required><br><br>

        Username: <input type="text" name="username" required><br><br>

        Password: <input type="password" name="password" required><br><br>

        Gender:<br>
        <input type="radio" name="gender" value="Male" required> Male<br>
        <input type="radio" name="gender" value="Female"> Female<br><br>

        Select Your Country:
        <select name="country" required>
            <option value="">--Select--</option>
            <option value="India">India</option>
            <option value="USA">USA</option>
            <option value="UK">UK</option>
            <option value="Canada">Canada</option>
        </select><br><br>

        Hobbies:<br>
        <input type="checkbox" name="hobbies[]" value="Reading"> Reading<br>
        <input type="checkbox" name="hobbies[]" value="Traveling"> Traveling<br>
        <input type="checkbox" name="hobbies[]" value="Gaming"> Gaming<br>
        <input type="checkbox" name="hobbies[]" value="Cooking"> Cooking<br><br>
```

```
            <input type="submit" value="Register">

        </form>

</body>

</html>
```

Step 2: registration_output.php

```php
<?php

if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $fullname = $_POST['fullname'];

    $username = $_POST['username'];

    $password = $_POST['password'];  // In real apps, NEVER display or store plain
passwords

    $gender   = $_POST['gender'];

    $country  = $_POST['country'];

    $hobbies  = isset($_POST['hobbies']) ? $_POST['hobbies'] : [];


    echo "<h2>User Registration Details</h2>";

    echo "Full Name: $fullname<br>";

    echo "Username: $username<br>";

    echo "Password: ****** (hidden)<br>"; // Hide actual password

    echo "Gender: $gender<br>";

    echo "Country: $country<br>";

    echo "Hobbies: ";


    if (!empty($hobbies)) {

        echo implode(", ", $hobbies);

    } else {

        echo "None";

    }

}

?>
```

 User Registration Details

Full Name: Raju Kumar
Username: rajukumar25
Password: ****** (hidden)
Gender: Male
Country: India
Hobbies: Reading, Gaming

 8. Write PHP script to demonstrate passing variables with cookies.

Step 1: set_cookie.php

```php
<?php

// Set a cookie named "username" with value "Raju" that expires in 1 hour

setcookie("username", "Raju", time() + 3600); // 3600 seconds = 1 hour


echo "Cookie has been set. <a href='get_cookie.php'>Click here to go to next page</a>";

?>
```

Step 2: get_cookie.php

```php
<?php
if (isset($_COOKIE["username"])) {

    $user = $_COOKIE["username"];

    echo "Welcome back, $user!";

} else {

    echo "No cookie found. Please visit set_cookie.php first.";

}

?>
```

Sample Output:

After visiting set_cookie.php

Cookie has been set. Click here to go to next page

On get_cookie.php

Welcome back, Raju!

9. Write a PHP script to connect MySQL server from your website.

Step-by-Step: PHP Script to Connect MySQL

connect_mysql.php

```php
<?php
// Step 1: Define MySQL server connection parameters
$servername = "localhost";   // or IP address, e.g., "127.0.0.1"

$username = "root";          // replace with your MySQL username

$password = "";              // replace with your MySQL password

$database = "testdb";        // replace with your database name


// Step 2: Create connection
$conn = mysqli_connect($servername, $username, $password, $database);


// Step 3: Check connection
if (!$conn) {

    die("Connection failed: " . mysqli_connect_error());

}


echo "Connected successfully to MySQL database!";
?>
```

Sample Output:

Connected successfully to MySQL database!

10. Write a program to keep track of how many times a visitor has loaded the page.

PHP Script: page_counter.php

```php
<?php
// Check if the cookie exists
if (isset($_COOKIE['visit_count'])) {
```

```php
    // Read current value and increment
    $visitCount = $_COOKIE['visit_count'] + 1;
} else {
    // First visit
    $visitCount = 1;
}


// Set/update the cookie with the new value (expires in 1 hour)
setcookie('visit_count', $visitCount, time() + 3600);


echo "<h2>Page Visit Counter</h2>";
echo "You have visited this page <strong>$visitCount</strong> times.";
?>
```

Sample Output:

Page Visit Counter

You have visited this page 1 times.

Then refresh the page:

You have visited this page 2 times.