

HTML

3. <!DOCTYPE html>

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Lakshmisree T A - Portfolio</title>
```

```
  <style>
```

```
{
```

```
  margin: 0;
```

```
  padding: 0;
```

```
  box-sizing: border-box;
```

```
}
```

```
  body {
```

```
    font-family: Arial, sans-serif;
```

```
    line-height: 1.6;
```

```
    background: #f9f9f9;
```

```
    color: #333;
```

```
}
```

```
  header {
```

```
    background: linear-gradient(135deg, #2b5876, #4e4376);
```

```
    color: white;
```

```
    padding: 20px;
```

```
    text-align: center;
```

```
}
```

```
  header h1 {
```

```
    font-size: 2.5em;
```

```
}
```

```
header p {
    font-size: 1.2em;
    opacity: 0.9;
}

nav ul {
    display: flex;
    justify-content: center;
    list-style: none;
    background: #444;
}

nav ul li a {
    color: white;
    text-decoration: none;
    padding: 14px 20px;
    display: block;
    font-weight: bold;
}

nav ul li a:hover {
    background: #666;
}

main {
    padding: 20px;
    max-width: 1100px;
    margin: auto;
}

.section-title {
    text-align: center;
    margin-bottom: 15px;
    font-size: 1.8em;
    color: #4e4376;
```

```
}  
.about {  
  background: white;  
  padding: 20px;  
  margin-bottom: 20px;  
  border-radius: 8px;  
  box-shadow: 0px 2px 6px rgba(0,0,0,0.1);  
}  
.projects {  
  display: grid;  
  grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));  
  gap: 20px;  
}  
.project-card {  
  background: white;  
  padding: 15px;  
  border-radius: 8px;  
  box-shadow: 0px 2px 6px rgba(0,0,0,0.1);  
  transition: transform 0.2s;  
}  
.project-card:hover {  
  transform: translateY(-5px);  
}  
footer {  
  text-align: center;  
  background: #333;  
  color: white;  
  padding: 15px;  
  margin-top: 20px;  
}
```

```
</style>
</head>
<body>
  <header>
    <h1>Lakshmisree T A</h1>
    <p>B.Sc. Computer Science | Department: CS</p>
  </header>
  <nav>
    <ul>
      <li><a href="#about">About</a></li>
      <li><a href="#projects">Projects</a></li>
      <li><a href="#contact">Contact</a></li>
    </ul>
  </nav>
  <main>
    <!-- About Section -->
    <section id="about" class="about">
      <h2 class="section-title">About Me</h2>
      <p>
        I am a passionate Computer Science graduate with strong interests in web
        development,
        database management, and software analysis. I have successfully completed an
        internship
        in <strong>Web Development</strong> and <strong>Software Analysis</strong>
        at Nano Dairy,
        where I worked on real-world projects, enhancing my technical and problem-
        solving skills.
      </p>
      <p>
        I enjoy working on innovative projects, learning new technologies, and applying
        them to build
        impactful solutions.
      </p>
    </section>
  </main>
</body>
</html>
```

```
</p>
</section>
<!-- Projects Section -->
<section id="projects">
  <h2 class="section-title">My Projects</h2>
  <div class="projects">
    <article class="project-card">
      <h3>Smart Waste Reporting Platform</h3>
      <p>A mobile app for residents to report missed garbage collections in real-time,
        ensuring faster response from waste management authorities.</p>
    </article>
    <article class="project-card">
      <h3>Bakery Business Website</h3>
      <p>An interactive and visually appealing bakery promotion website built using
HTML,
        CSS, and JavaScript to showcase products and engage customers.</p>
    </article>
    <article class="project-card">
      <h3>Quiz App with Timer</h3>
      <p>A Flutter-based quiz application with a timer, score tracking, and local
storage
        using shared_preferences for persistent data.</p>
    </article>
  </div>
</section>
</main>
<footer id="contact">
  <p>© 2025 Lakshmisree T A | Email: lakshmisree@example.com</p>
</footer>
</body>
</html>
```

5. <!DOCTYPE html>

```
<html>

<head>

  <title>Purchase Total Calculator</title>

</head>

<body>

<h2>Enter Price and Quantity</h2>

<form method="post">

  <label>Item 1 - Price:</label>

  <input type="number" name="price1" step="0.01" required>

  Quantity: <input type="number" name="qty1" required><br><br>

  <label>Item 2 - Price:</label>

  <input type="number" name="price2" step="0.01" required>

  Quantity: <input type="number" name="qty2" required><br><br>

  <label>Item 3 - Price:</label>

  <input type="number" name="price3" step="0.01" required>

  Quantity: <input type="number" name="qty3" required><br><br>

  <input type="submit" value="Calculate Total">

</form>

<?php

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

  $p1 = $_POST["price1"];

  $q1 = $_POST["qty1"];

  $p2 = $_POST["price2"];

  $q2 = $_POST["qty2"];

  $p3 = $_POST["price3"];

  $q3 = $_POST["qty3"];

  $subtotal = ($p1 * $q1) + ($p2 * $q2) + ($p3 * $q3);

  $tax = $subtotal * 0.10;

  $total = $subtotal + $tax;
```

```

echo "<h3>Results:</h3>";

echo "Subtotal: ₹" . number_format($subtotal, 2) . "<br>";

echo "Tax (10%): ₹" . number_format($tax, 2) . "<br>";

echo "Total: ₹" . number_format($total, 2);
}
?>
</body>
</html>

```

7. <!DOCTYPE html>

```

<html>
<head>
    <title>Greeting Form</title>
</head>
<body>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = trim($_POST['name']);
    if (!empty($name)) {
        echo "<h2>Hello, Welcome to $name!</h2>";
        echo "<p>Have a nice day!!</p>";
    } else {
        echo "<p style='color:red;'>Error: Please enter your name.</p>";
    }
}
?>
<form method="post" action="">
    <label>Enter your name:</label>
    <input type="text" name="name">
    <input type="submit" value="Submit">

```

```
</form>
```

```
</body>
```

```
</html>
```

8. <!DOCTYPE html>

```
<html>
```

```
<head>
```

```
<title>Drink Deal Comparison</title>
```

```
</head>
```

```
<body>
```

```
<?php
```

```
function deal($costA, $sizeA, $costB, $sizeB) {
```

```
    $unitPriceA = $costA / $sizeA;
```

```
    $unitPriceB = $costB / $sizeB;
```

```
    echo "Drink A - ₹$costA for $sizeA units (₹" . round($unitPriceA, 2) . " per unit)<br>";
```

```
    echo "Drink B - ₹$costB for $sizeB units (₹" . round($unitPriceB, 2) . " per  
unit)<br><br>";
```

```
    if ($unitPriceA < $unitPriceB) {
```

```
        echo " Drink A is a better deal. You save money!";
```

```
    } elseif ($unitPriceB < $unitPriceA) {
```

```
        echo " Drink B is a better deal. You save money!";
```

```
    } else {
```

```
        echo " Both drinks cost the same per unit. Choose any.";
```

```
    }
```

```
}
```

```
deal(25, 11, 23, 9);
```

```
?>
```

```
</body>
```

```
</html>
```


10. <!DOCTYPE html>

```
<html>
```

```
<head>
```

```
    <title>Student Grade Calculator</title>
```

```
</head>
```

```
<body>
```

```
    <h2>Enter Student Marks</h2>
```

```
    <form method="post">
```

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

```
        Marks: <input type="number" name="marks" min="0" max="100" required><br><br>
```

```
        <input type="submit" value="Check Grade">
```

```
    </form>
```

```
<?php
```

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

```
    $name = $_POST['name'];
```

```
    $marks = $_POST['marks'];
```

```
    echo "<h3>Result:</h3>";
```

```
    echo "$name (Marks: $marks): ";
```

```
    if ($marks >= 75) {
```

```
        echo "First Class";
```

```
    } elseif ($marks >= 60) {
```

```
        echo "Second Class";
```

```
    } elseif ($marks >= 40) {
```

```
        echo "Third Class";
```

```
    } else {
```

```
        echo "Fail";
```

```
    }
```

```
}
```

```
?>
```

```
</body>
```

```
</html>
```

11. <!DOCTYPE html>

```
<html>
```

```
<head>
```

```
    <title>Days of the Week</title>
```

```
</head>
```

```
<body>
```

```
    <h2>Enter a number (1-7) to get the Day of the Week</h2>
```

```
    <form method="post">
```

```
        Day Number: <input type="number" name="day" min="1" max="7" required>
```

```
        <input type="submit" value="Show Day">
```

```
    </form>
```

```
<?php
```

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

```
    $day = $_POST['day'];
```

```
    switch ($day) {
```

```
        case 1:
```

```
            echo "Monday";
```

```
            break;
```

```
        case 2:
```

```
            echo "Tuesday";
```

```
            break;
```

```
        case 3:
```

```
            echo "Wednesday";
```

```
            break;
```

```
        case 4:
```

```
            echo "Thursday";
```

```
            break;
```

```
        case 5:
```

```

        echo "Friday";

        break;

    case 6:

        echo "Saturday";

        break;

    case 7:

        echo "Sunday";

        break;

    default:

        echo "Invalid day number. Please enter 1-7.";

    }

}

?>
</body>
</html>

```

12. <!DOCTYPE html>

```

<html>

<head>

<title>Student Grade Checker</title>

</head>

<body>

<h2>Enter Marks to Check Grade</h2>

<form method="post">

Marks: <input type="number" name="marks" min="0" max="100" required>

<input type="submit" value="Check Grade">

</form>

<?php

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

    $marks = $_POST['marks'];

```

```

if ($marks >= 75) {
    echo "Grade: First Class";
} elseif ($marks >= 60) {
    echo "Grade: Second Class";
} elseif ($marks >= 40) {
    echo "Grade: Third Class";
} else {
    echo "Grade: Fail";
}
}
?>
</body>
</html>

```

14. <!DOCTYPE html>

```

<html>
<head>
<title>Contact Form</title>
</head>
<body>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = htmlspecialchars($_POST['name']);
    $email = htmlspecialchars($_POST['email']);
    $message = htmlspecialchars($_POST['message']);
    echo "<h2>Form Submitted Successfully!</h2>";
    echo "<p>Thank you, <b>$name</b>.</p>";
    echo "<p>We will contact you shortly at <b>$email</b>.</p>";
    echo "<hr>";
}

```

```
?>
<h2>Contact Form</h2>
<form method="post" action="">
    <label>Name:</label>
    <input type="text" name="name" required><br><br>
    <label>Email:</label>
    <input type="email" name="email" required><br><br>
    <label>Message:</label><br>
    <textarea name="message" rows="4" cols="30" required></textarea><br><br>
    <input type="submit" value="Submit">
</form>
</body>
</html>
```

15. <!DOCTYPE html>

```
<html>
<head>
    <title>Sum of Digits</title>
</head>
<body>
<h2>Sum of Digits Calculator</h2>
<form method="post" action="">
    <label>Enter a Number:</label>
    <input type="number" name="number" required>
    <input type="submit" value="Calculate">
</form>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $num = abs((int)$_POST['number']); // Ensure positive integer
    $sum = 0;
```

```

$temp = $num;
while ($temp > 0) {
    $digit = $temp % 10; // Get last digit
    $sum += $digit;      // Add to sum
    $temp = (int)($temp / 10); // Remove last digit
}
echo "<p>The sum of digits of <b>$num</b> is: <b>$sum</b></p>";
}
?>
</body>
</html>

```

16. <!DOCTYPE html>

```

<html>
<head>
    <title>Sum of Two Numbers</title>
</head>
<body>
<h2>Sum of Two Numbers</h2>
<form method="post" action="">
    <label>Enter First Number:</label>
    <input type="number" name="num1" required>
    <br><br>
    <label>Enter Second Number:</label>
    <input type="number" name="num2" required>
    <br><br>
    <input type="submit" name="submit" value="Calculate Sum">
</form>
<?php
// Function to calculate sum

```

```

function calculateSum($a, $b) {
    return $a + $b;
}

if (isset($_POST['submit'])) {
    $n1 = $_POST['num1'];
    $n2 = $_POST['num2'];
    $sum = calculateSum($n1, $n2);

    echo "<h3>The sum of $n1 and $n2 is: $sum</h3>";
}

?>

</body>

</html>

```

17. <!DOCTYPE html>

```

<html>

<head>

    <title>Bank Transaction System</title>

</head>

<body>

<h2>Bank Transaction</h2>

<form method="post" action="">

    <label>Enter Current Balance:</label>

    <input type="number" name="balance" required>

    <br><br>

    <label>Select Transaction Type:</label>

    <select name="transaction" required>

        <option value="">--Select--</option>

        <option value="deposit">Deposit</option>

        <option value="withdraw">Withdraw</option>

    </select>

```

```
<br><br>

<label>Enter Amount:</label>

<input type="number" name="amount" required>

<br><br>

<input type="submit" name="submit" value="Process Transaction">

</form>

<?php
if (isset($_POST['submit'])) {
    $balance = $_POST['balance'];
    $transaction = $_POST['transaction'];
    $amount = $_POST['amount'];
    switch ($transaction) {
        case "deposit":
            if ($amount > 0) {
                $balance += $amount;
                echo "<h3>Deposit successful! New balance: ₹$balance</h3>";
            } else {
                echo "<h3> Invalid deposit amount!</h3>";
            }
            break;
        case "withdraw":
            if ($amount > 0 && $amount <= $balance) {
                $balance -= $amount;
                echo "<h3> Withdrawal successful! New balance: ₹$balance</h3>";
            } elseif ($amount > $balance) {
                echo "<h3> Insufficient funds! Current balance: ₹$balance</h3>";
            } else {
                echo "<h3> Invalid withdrawal amount!</h3>";
            }
            break;
```


default:

```
    echo "<h3> Invalid transaction type selected!</h3>";
}
echo "<h4>Transaction Summary for Customers:</h4>";
$customers = [
    "Ravi" => 1200,
    "Priya" => 2500,
    "Anil" => 800
];

$i = 0;
foreach ($customers as $name => $bal) {
    echo "$name has ₹$bal in account.<br>";
    $i++;
    if ($i >= 3) break;
}
}
?>
</body>
</html>
```

19. <!DOCTYPE html>

```
<html>
<head>
    <title>Highest and Lowest Finder</title>
</head>
<body>
<h2>Enter numbers separated by commas</h2>
<form method="post">
    <input type="text" name="numbers" placeholder="e.g. 45,12,78,3,99,54" required>
```

```

        <input type="submit" value="Find Highest & Lowest">
    </form>

    <?php
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        $numbersInput = $_POST['numbers'];
        $numbersArray = array_map('trim', explode(',', $numbersInput)); // Remove spaces
        $numbersArray = array_map('intval', $numbersArray);

        function findHighLow($numbers) {
            $highest = max($numbers);
            $lowest = min($numbers);

            return array("highest" => $highest, "lowest" => $lowest);
        }

        $result = findHighLow($numbersArray);

        echo "<h3>Numbers: " . implode(" ", $numbersArray) . "</h3>";
        echo "<p>Highest Value: <b>{$result['highest']}</b></p>";
        echo "<p>Lowest Value: <b>{$result['lowest']}</b></p>";
    }

    ?>
</body>
</html>

```

20. <!DOCTYPE html>

```

<html>

<head>

<title>Contact Form with Validation</title>

<style>

body { font-family: Arial, sans-serif; }

.error { color: red; }

.success { color: green; }

form { max-width: 400px; }

```

```
</style>

</head>

<body>

<h2>Contact Us</h2>

<form method="post">

<label>Name:</label><br>

<input type="text" name="name" value="<?php if(!empty($_POST['name'])) echo
htmlspecialchars($_POST['name']); ?>"><br><br>

<label>Email:</label><br>

<input type="email" name="email" value="<?php if(!empty($_POST['email'])) echo
htmlspecialchars($_POST['email']); ?>"><br><br>

<label>Message:</label><br>

<textarea name="message"><?php if(!empty($_POST['message'])) echo
htmlspecialchars($_POST['message']); ?></textarea><br><br>

<input type="submit" value="Submit">

</form>

<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = trim($_POST['name']);
    $email = trim($_POST['email']);
    $message = trim($_POST['message']);
    $errors = [];

    if (empty($name)) {
        $errors[] = "Name is required.";
    }

    if (empty($email)) {
        $errors[] = "Email is required.";
    }

    if (empty($message)) {
        $errors[] = "Message is required.";
    }
}
```

```

    }

    if (!empty($errors)) {
        echo "<div class='error'><b>Please fix the following errors:</b><br>";

        foreach ($errors as $error) {
            echo "- $error <br>";
        }

        echo "</div>";
    } else {
        echo "<div class='success'><b>Thank you, $name!</b> Your message has been
received. We will contact you at <b>$email</b>.</div>";
    }
}
?>
</body>
</html>

```

21.<!DOCTYPE html>

```

<html>
<head>
    <title>Leap Year Checker</title>
</head>
<body>
    <h2>Check if a Year is a Leap Year</h2>
    <form method="post">
        Enter Year: <input type="number" name="year" required>
        <input type="submit" value="Check">
    </form>
    <?php
    // Function to check leap year
    function isLeapYear($year) {

```

```

        return (($year % 4 == 0 && $year % 100 != 0) || ($year % 400 == 0));
    }

    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        $year = $_POST['year'];
        if (isLeapYear($year)) {
            echo "<p>$year is a leap year.</p>";
        } else {
            echo "<p>$year is not a leap year.</p>";
        }
    }
}
?>
</body>
</html>

```

23. DOCTYPE html>

```

<html>
<head>
    <title>GET vs POST Example</title>
</head>
<body>
<h2>Search Example (GET Method)</h2>
<form method="get" action="">
    Search: <input type="text" name="query">
    <input type="submit" value="Search">
</form>
<?php
if (isset($_GET['query'])) {
    $search = $_GET['query'];
    echo "<p>You searched for: <strong>$search</strong></p>";
}

```

```

?>
<hr>
<h2>Login Example (POST Method)</h2>
<form method="post" action="">
    Username: <input type="text" name="username" required><br><br>
    Password: <input type="password" name="password" required><br><br>
    <input type="submit" value="Login">
</form>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $user = $_POST['username'];
    $pass = $_POST['password'];
    if ($user == "admin" && $pass == "1234") {
        echo "<p>Welcome, <strong>$user</strong>! You are logged in.</p>";
    } else {
        echo "<p>Invalid username or password.</p>";
    }
}
?>
</body>
</html>

```

26 . <!DOCTYPE html>

```

<html>
<head>
    <title>PHP Chess Board</title>
    <style>
        table {
            border: 2px solid black;
            border-collapse: collapse;

```

```
        margin: 20px;
    }
    td {
        width: 60px;
        height: 60px;
    }
</style>
</head>
<body>
<h2>Chess Board in PHP</h2>
<?php
echo "<table>";
for ($row = 1; $row <= 8; $row++) {
    echo "<tr>";
    for ($col = 1; $col <= 8; $col++) {
        // Sum of row and column decides color
        if (($row + $col) % 2 == 0) {
            echo "<td style='background-color: white;'></td>";
        } else {
            echo "<td style='background-color: black;'></td>";
        }
    }
    echo "</tr>";
}
echo "</table>";
?>
</body>
</html>
```