**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>

<!-- 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>