CERTIFICATE

This is to certify that this Bonafide record work is done by

Reg. No.: and submitted for the Lab during the External Practical Examination April 2025, conducted in the

Semester of Programme held on

.

Course Teacher Coordinator

Internal Examiner External Examiner

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# Develop a HTML document to i) Display text with Bullets/Numbers -Using lists

**ii)To display the table format data.**

<html >

<head>

<title>HTML List and Table Example</title>

</head>

<body>

<h1>HTML Lists Example</h1>

<h2>Unordered List (Bullets)</h2>

<ul>

<li>Item 1</li>

<li>Item 2</li>

<li>Item 3</li>

<li>Item 4</li>

</ul>

<h2>Ordered List (Numbers)</h2>

<ol>

<li>First step</li>

<li>Second step</li>

<li>Third step</li>

<li>Fourth step</li>

</ol>

</body>

</html>

# Write names of several countries in a paragraph and store it as an HTML document, world.HTML. Each country name must be a hot text. When you click India(for example), it must open india.HTML and it should provide a brief introduction about India.

**Map.html:**

<html>

<head>

<title> world map </title>

</head>

<body>

<center>

<h1>COUNTRIES</h1>

<img src="C:\Users\MSC2\Desktop\PGD009\world2png.JPG" alt="Workplace" usemap="#workmap" width="90%"height="600">

<map name="workmap">

<area shape="circle" coords="875,230,27" alt="india" href="india.html">

<area shape="circle" coords="930,370,20" alt="australia" href=”australia.html">

<area shape="circle" coords="270,200,27" alt="america " href="america.html">

</map>

</center>

</body>

</html>

# India.html:

<html>

<head>

<title>India</title>

</head>

<body>

<center><h1>INDIA</h1></center>

<center>

<p>Tourism in India is 4.6% of the country's gross domestic product (GDP). .</p>

<h1>AGRA<h1>

</center>

</body>

</html>

# Australia.html:

<html>

<head>

<title>India</title>

</head>

<body>

<center><h1>AUSTRALIA</h1></center>

</body>

</html>

# America.html:

<html>

<head>

<title>India</title>

</head>

<body>

<center><h1>AMERICA</h1></center>

</body></html>

# Develop a complete web page using frames and framesets which gives the information about a Hospital using HTML.

**Frame.html:**

<html>

<head>

<title>Hospital Information</title>

</head>

<frameset rows="200,450,\*" >

<frameset cols="\*">

<frame src="header.html" name="header" target="content"></frame>

</frameset>

<frameset cols="200,\*">

<frame src="navigation.html" name="navigation" target="content"></frame>

<frame src="content.html" name="content" target="content"></frame>

</frameset>

<frame></frame>

</frameset></html>

# Header.html:

<html >

<head>

<meta charset="UTF-8">

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

<title>header</title>

<style> h1{

color: cyan;

font-size:xx-large;

}

</style>

</head>

<body>

<h1><center>Sandy Hospital</center></h1>

</body></html>

# Navigation.html:

<html>

<head>

<title>Menu</title>

<style> ul{

margin: 10;

padding: 0%; background-color: azure;

}

li a{

color: chocolate; font-size: 20px; padding: 20%; display: block;

}

li a:hover{

background-color: whitesmoke;

display: block;

}

</style>

</head>

<body>

<h2>Hospital Menu</h2>

<ul>

<li><a href="home.html" target="content">Home</a></li>

<li><a href="aboutus.html" target="content">About Us</a></li>

<li><a href="services.html" target="content">Services</a></li>

<li><a href="contact.html" target="content">Contact</a></li>

</ul></body></html>

# Content.html:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Contact</title>

<style>

.blur-back{ margin: 0%;

padding: 0%;

height: 100vh; width: 100vw; filter: blur(50px);

background-image: url(contact.jpeg); background-position: center; background-size: cover;

background-repeat: no-repeat; position: relative;

}

h2{

text-align: center;

}

</style>

</head>

<body>

<div class="blur-back"></div>

<div class="text">

<h2>📍240,Pandikovil near,Bypass road,Madurai</h2>

<h2>☎️ 452-245678</h2>

<h2>📩[sandyhospital@gmail.com<](mailto:sandyhospital@gmail.com)/h2></div></body></html>

# Develop a website for your college using advanced tags of HTML

## College.html:

<html >

<head>

<title>My College</title>

<style> body {

font-family: Arial; margin: 0;

}

header, nav, footer { background-color: #34495e; color: white;

padding: 15px; text-align: center;

}

nav a { color: white;

text-decoration: none; margin: 0 15px;

}

iframe { width: 100%; height: 500px; border: none;

}

</style>

</head>

<body>

<header>

<h1>Welcome to My College</h1>

</header>

<nav>

<a href="department.html" target="contentFrame">Departments</a>

<a href="admission.html" target="contentFrame">Admissions</a>

<a href="events.html" target="contentFrame">Events</a>

<a href="contact.html" target="contentFrame">Contact</a>

</nav>

<iframe name="contentFrame" src="department.html"></iframe>

<footer>

<p>&copy; 2025 My College. All rights reserved.</p>

</footer></body>

</html>

## Department.html:

<!DOCTYPE html>

<html>

<head>

<style>

body { font-family: Arial; padding: 20px; }

</style>

</head>

<body>

<h2>Our Departments</h2>

<ul>

<li>Computer Science</li>

<li>Electronics</li>

<li>Mechanical</li>

<li>Civil</li>

<li>Business Administration</li>

</ul>

</body>

</html>

## Admissions.html:

<!DOCTYPE html>

<html>

<head>

<style>

body { font-family: Arial; padding: 20px; }

</style>

</head>

<body>

<h2>Admission Details</h2>

<p>Admissions are open for the academic year 2025. Apply online or visit our campus.</p>

</body>

</html>

## Events.html:

<!DOCTYPE html>

<html>

<head>

<style>

body { font-family: Arial; padding: 20px; }

</style>

</head>

<body>

<h2>Upcoming Events</h2>

<ul>

<li>April 20: Annual Tech Fest</li>

<li>May 10: Cultural Day</li>

<li>June 1: Alumni Meet</li>

</ul>

</body>

</html>

## Contact.html:

<!DOCTYPE html>

<html>

<head>

<style>

body { font-family: Arial; padding: 20px; }

</style>

</head>

<body>

<h2>Contact Us</h2>

<p>Email: [info@mycollege.edu<](mailto:info@mycollege.edu)/p>

<p>Phone: +91 12345 67890</p>

<p>Address: My College, Main Road, Chennai</p>

</body>

</html>

# Write a HTML document to print your bio-Data in a neat format using CSS.

<html>

<head>

<title>Biodata Form</title>

<style> body {

font-family: Arial, sans-serif;

}

form { width: 50%;

margin: 20px auto; padding: 20px;

border: 1px solid #ccc; border-radius: 10px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

label { display: block;

margin-bottom: 10px;

}

input[type="text"], input[type="email"], input[type="number"] { width: 100%;

height: 40px;

margin-bottom: 20px; padding: 10px;

border: 1px solid #ccc;

}

input[type="submit"] { width: 100%;

height: 40px;

background-color: #4CAF50; color: #fff;

padding: 10px; border: none; border-radius: 10px; cursor: pointer;

}

input[type="submit"]:hover { background-color: #3e8e41;

}

table { width: 50%;

margin: 20px auto; border-collapse: collapse;

}

th, td {

border: 1px solid #ccc; padding: 10px;

text-align: left;

}

th {

background-color: #f0f0f0;

}

#display-biodata { display: none;

}

</style>

</head>

<body>

<form id="biodata-form">

<label for="name">Name:</label>

<input type="text" id="name" name="name" required>

<label for="fathersname">Father's Name:</label>

<input type="text" id="fathersname" name="fathersname" required>

<label for="gender">Gender:</label>

<input type="radio" id="male" name="gender" value="male"> Male

<input type="radio" id="female" name="gender" value="female"> Female

<input type="radio" id="other" name="gender" value="other"> Others

<label for="email">Email:</label>

<input type="email" id="email" name="email" required>

<label for="phone">Phone:</label>

<input type="number" id="phone" name="phone" required>

<label for="address">Address:</label>

<input type="text" id="address" name="address" required>

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

</form>

<div id="display-biodata">

<table>

<tr>

<th>Name:</th>

<td id="display-name"></td>

</tr>

<tr>

<th>Father's Name:</th>

<td id="display-fathersname"></td>

</tr>

<tr>

<th>Gender:</th>

<td id="display-gender"></td>

</tr>

<tr>

<th>Email:</th>

<td id="display-email"></td>

</tr>

<tr>

<th>Phone:</th>

<td id="display-phone"></td>

</tr>

<tr>

<th>Address:</th>

<td id="display-address"></td>

</tr>

</table>

</div>

<script>

const form = document.getElementById('biodata-form');

const displayName = document.getElementById('display-name');

const displayFathersName = document.getElementById('display-fathersname'); const displayGender = document.getElementById('display-gender');

const displayEmail = document.getElementById('display-email'); const displayPhone = document.getElementById('display-phone'); const displayAddress = document.getElementById('display-address'); const displayBiodata = document.getElementById('display-biodata');

form.addEventListener('submit', (e) => { e.preventDefault();

const name = document.getElementById('name').value;

const fathersname = document.getElementById('fathersname').value;

const gender = document.querySelector('input[name="gender"]:checked').value; const email = document.getElementById('email').value;

const phone = document.getElementById('phone').value; const address = document.getElementById('address').value;

displayName.innerHTML = name; displayFathersName.innerHTML = fathersname; displayGender.innerHTML = gender; displayEmail.innerHTML = email; displayPhone.innerHTML = phone; displayAddress.innerHTML = address;

displayBiodata.style.display = 'block'; // Show the biodata table

});

</script>

</body>

</html>

# Write HTML for demonstration of CSS:Embedded style sheets,External style sheets and Inline styles.

## Inline css:

<!DOCTYPE html>

<html>

<head>

<title>Inline Style Example</title>

</head>

<body>

<h2 style="color: red; text-align: center;">This is an Inline Styled Heading</h2>

<p style="font-size: 18px; color: green;">This paragraph is styled with inline CSS.</p>

</body>

</html>

## Internal css:

<!DOCTYPE html>

<html>

<head>

<title>Internal CSS Example</title>

<style> h2 {

color: blue;

text-align: center;

}

p {

font-size: 18px; color: purple;

}

</style>

</head>

<body>

<h2>This is an Internally Styled Heading</h2>

<p>This paragraph is styled using internal (embedded) CSS.</p>

</body>

</html>

## External css:

**External.html:**

<!DOCTYPE html>

<html>

<head>

<title>External CSS Example</title>

<link rel="stylesheet" href="style.css">

</head>

<body>

<h2>This is a Heading Styled with External CSS</h2>

<p>This paragraph is styled using an external stylesheet.</p>

</body>

</html>

## Style.css :

/\* style.css \*/ h2 {

color: white;

background-color: #34495e; text-align: center;

padding: 10px;

}

p {

color: #2c3e50; font-size: 18px;

}

# Develop JavaScript program to display a registration form foe an inter- collegiate function.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Inter College Meet Registration</title>

<style> #container { width: 50%;

margin: 20px auto; padding: 20px;

border: 1px solid #ccc; border-radius: 10px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

form { display: flex;

flex-direction: column;

}

input, select { width: 100%; height: 40px;

margin-bottom: 20px; padding: 10px;

border: 1px solid #ccc;

}

button {

width: 100%; height: 40px;

background-color: #4CAF50; color: #fff;

padding: 10px; border: none; border-radius: 10px; cursor: pointer;

}

button:hover {

background-color: #3e8e41;

}

</style>

</head>

<body>

<div id="container">

<h2>Inter College Meet Registration</h2>

<h3>Date: 10th March 2024</h3>

<h3>Time: 9:00 AM - 5:00 PM</h3>

<form id="registration-form">

<label for="name">Name:</label>

<input type="text" id="name" name="name" required>

<label for="college">College Name:</label>

<input type="text" id="college" name="college" required>

<label for="email">Email:</label>

<input type="email" id="email" name="email" required>

<label for="phone">Phone Number:</label>

<input type="number" id="phone" name="phone" required>

<label for="events">Events:</label>

<select id="events" name="events" required>

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

<option value="Sports">Sports</option>

<option value="Cultural">Cultural</option>

<option value="Technical">Technical</option>

</select>

<button type="submit">Register</button>

</form>

<div id="registration-status"></div>

</div>

<script>

const form = document.getElementById('registration-form');

const registrationStatus = document.getElementById('registration-status'); form.addEventListener('submit', (e) => {

e.preventDefault();

const name = document.getElementById('name').value; const college = document.getElementById('college').value; const email = document.getElementById('email').value; const phone = document.getElementById('phone').value; const events = document.getElementById('events').value;

registrationStatus.innerHTML = `Registration successful!<br>Name: ${name}<br>College:

${college}<br>Email: ${email}<br>Phone: ${phone}<br>Events: ${events}`;

});

</script>

</body>

</html>

# Write a JavaScript program to validate user login page.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>User Login Validation</title>

<style> body {

font-family: Arial, sans-serif; padding: 20px;

background: #f4f4f4;

}

form { background: #fff; padding: 20px; width: 300px; margin: auto; border-radius: 8px;

box-shadow: 0 0 10px rgba(0,0,0,0.1);

}

input { width: 100%; padding: 8px;

margin-top: 5px; margin-bottom: 15px; border: 1px solid #ccc; border-radius: 4px;

}

.error {

color: red;

font-size: 0.9em;

}

.success { color: green; font-size: 1em;

text-align: center; margin-top: 10px;

}

button { width: 100%; padding: 10px;

background: #28a745; color: white;

border: none; border-radius: 4px; cursor: pointer;

}

button:hover { background: #218838;

}

</style>

</head>

<body>

<form id="loginForm">

<h2>Login</h2>

<label for="username">Username</label>

<input type="text" id="username" />

<div id="usernameError" class="error"></div>

<label for="password">Password</label>

<input type="password" id="password" />

<div id="passwordError" class="error"></div>

<button type="submit">Login</button>

<div id="loginMessage" class="success"></div>

</form>

<script>

document.getElementById('loginForm').addEventListener('submit', function (e) { e.preventDefault();

// Input values

const username = document.getElementById('username').value.trim(); const password = document.getElementById('password').value.trim();

// Clear previous messages document.getElementById('usernameError').textContent = ''; document.getElementById('passwordError').textContent = ''; document.getElementById('loginMessage').textContent = '';

let valid = true;

// Username validation (non-empty & alphanumeric) const usernameRegex = /^[a-zA-Z0-9]+$/;

if (username === '') {

document.getElementById('usernameError').textContent = 'Username is required.';

valid = false;

} else if (!usernameRegex.test(username)) {

document.getElementById('usernameError').textContent = 'Username must be alphanumeric only.';

valid = false;

}

// Password validation (non-empty & min length 6) if (password === '') {

document.getElementById('passwordError').textContent = 'Password is required.'; valid = false;

} else if (password.length < 6) {

document.getElementById('passwordError').textContent = 'Password must be at least 6 characters.';

valid = false;

}

// If all validations pass if (valid) {

document.getElementById('loginMessage').textContent = 'Login successful!';

// Here you can add logic to send login data to your server

}

});

</script>

</body>

</html>

# Write a JavaScript program to calculater using math function.

## Math\_properties:

<html>

<head>

<title>Java Script - Math Object</title>

<script language="javascript"> function dispprop()

{

var a; for(i=0;i<document.prop.optprop.length;i++)

{

if(document.prop.optprop[i].checked) a=document.prop.optprop[i].value;

}

switch(a)

{

case "E": txtprop.value=Math.E; break;

case "LN2" : txtprop.value=Math.LN2; break;

case "LN10" : txtprop.value=Math.LN10; break;

case "LOG2E" : txtprop.value=Math.LOG2E; break;

case "LOG10E" :

txtprop.value=Math.LOG10E; break;

case "PI" :

txtprop.value=Math.PI; break;

case "SQRT1\_2" : txtprop.value=Math.SQRT1\_2; break;

case "SQRT2" : txtprop.value=Math.SQRT2; break;

}

}

window.defaultStatus="Math Object";

</script>

</head>

<body>

<center>

<h2>Math Object</h2>

<table>

<tr bgcolor="blue" >

<th><font color="white">Properties</font></th>

</tr>

<tr>

<td bgcolor="yellow">

<input type="text" id="txtprop">

<form name="prop">

<input type="radio" name="optprop" value="E">E<br>

<input type="radio" name="optprop" value="LN2">LN2<br>

<input type="radio" name="optprop" value="LN10">LN10<br>

<input type="radio" name="optprop" value="LOG2E">LOG2E<br>

<input type="radio" name="optprop" value="LOG10E">LOG10E<br>

<input type="radio" name="optprop" value="PI">PI<br>

<input type="radio" name="optprop" value="SQRT1\_2">SQRT1\_2<br>

<input type="radio" name="optprop" value="SQRT2">SQRT2<br>

<input type="button" onclick="dispprop()" value="Submit">

</form>

</table>

</center>

</body>

</html>

# Write a PHP script using nester for loop that creates a chessboard.

<html>

<head>

<title>php</title>

</head>

<body><center>

<h1>chess board</h1>

<table width="500px" cellspacing="0px" cellpadding="0px" border="1">

<?php

for($row=1; $row<=8; $row++)

{

echo"<tr>";

for($column=1; $column<=8; $column++)

{

$total=$row+$column; if($total%2==0)

{

echo"<td height='55px' width='4px' bgcolor='black'>";

}

else

{

echo"<td height='55px' width='4px' bgcolor='white'>";

} }

echo"</tr>";

}

?> </center> </body> </html>

# Write a program to accept two numbers n1 & n2 using HTML form and display the prime numbers between n1 & n2 using PHP.

<html>

<head>

<title>php</title>

</head>

<body>

<center><h2>Prime number Generation</h2></center>

<form method="post">

<label for="n1">Enter 1st number(n1):</label>

<input type="number" name="n1" id="n1" required> <br>

<label for="n2">Enter 2nd number(n2):</label>

<input type="number" name="n2" id="n2" required> <br>

<input type=submit value="submit">

</form>

<?php

function isprime($num)

{

if($num<2)

{

return false;

}

for($i=2; $i<=sqrt($num); $i++)

{

if($num % $i==0)

{

return false;

}}

return true;

} if($\_SERVER['REQUEST\_METHOD']=='POST')

{

$n1=intval($\_POST['n1']);

$n2=intval($\_POST['n2']); if($n1>$n2)

{

$temp=$n1;

$n1=$n2;

$n2=$temp;

}

echo"<h1> prime number between $n1 and $n2 </h1>"; echo"<ul>";

for($i=$n1; $i<=$n2; $i++)

{

if(isprime($i))

{

echo"<li>$i</li>";

}

}

echo"</ul>";

}

?>

</body>

</html>

# Create a PHP script to display the capital & country name from the given array, sort the list by the name of the country.

<html>

<head>

<title>Countries and Capitals</title>

</head>

<body><center>

<h2>Countries and Capitals Sorted by Country Name</h2>

<?php

$countries\_and\_capitals = [ "Canada" => "Ottawa", "Germany" => "Berlin", "France" => "Paris", "Japan" => "Tokyo", "Australia" => "Canberra", "India" => "New Delhi",

"United Kingdom" => "London", "Brazil" => "Brasília",

"Mexico" => "Mexico City", "Italy" => "Rome"

];

ksort($countries\_and\_capitals);

echo "<table border='1' cellpadding='5' cellspacing='0'>"; echo "<tr><th>Country</th><th>Capital</th></tr>"; foreach ($countries\_and\_capitals as $country => $capital) { echo "<tr><td>$country</td><td>$capital</td></tr>";

}

echo "</table>";

?>

</center>

</body>

</html>

# Using HTML form accept customer details like (name, city, pincode, phone number, Email address)and validate the data and display appropriate message for violation using PHP.(Example : name is mandatory field, pincode must be 6 digits).

<?php

$nameError = $cityError = $pincodeError = $phoneError = $emailError = "";

$isValid = true;

if ($\_SERVER["REQUEST\_METHOD"] == "POST")

{

if (empty($\_POST["name"])) {

$nameError = "Name is required.";

$isValid = false;

}

if (empty($\_POST["city"])) {

$cityError = "City is required.";

$isValid = false;

}

if (empty($\_POST["pincode"])) {

$pincodeError = "Pincode is required.";

$isValid = false;

}

elseif (!preg\_match("/^\d{6}$/", $\_POST["pincode"])){

$pincodeError = "Pincode must be 6 digits.";

$isValid = false;}

if (empty($\_POST["phone"])) {

$phoneError = "Phone number is required.";

$isValid = false;

}

elseif (!preg\_match("/^\d{10}$/", $\_POST["phone"])) {

$phoneError = "Phone number must be 10 digits.";

$isValid = false;

}

if (empty($\_POST["email"])) {

$emailError = "Email is required.";

$isValid = false;

}

elseif (!filter\_var($\_POST["email"], FILTER\_VALIDATE\_EMAIL))

{

$emailError = "Invalid email format.";

$isValid = false;

}

if ($isValid){

echo"<p style='color: green;'> Form submitted successfully!</p>";

}}

?>

<html>

<head>

<title>Customer Details Form</title>

</head>

<body>

<center><h2>Customer Details Form</h2></center>

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

<label for="name">Name:</label>

<input type="text" id="name" name="name" value="<?php echo isset($\_POST['name']) ? $\_POST['name'] : ''; ?>">

<span style="color:red;"><?php echo $nameError; ?></span><br><br>

<label for="city">City:</label>

<input type="text" id="city" name="city" value="<?php echo isset($\_POST['city']) ?

$\_POST['city'] : ''; ?>">

<span style="color:red;"><?php echo $cityError; ?></span><br><br>

<label for="pincode">Pincode:</label>

<input type="text" id="pincode" name="pincode" value="<?php echo isset($\_POST['pincode']) ? $\_POST['pincode'] : ''; ?>">

<span style="color:red;"><?php echo $pincodeError; ?></span><br><br>

<label for="phone">Phone Number:</label>

<input type="text" id="phone" name="phone" value="<?php echo isset($\_POST['phone']) ? $\_POST['phone'] : ''; ?>">

<span style="color:red;"><?php echo $phoneError; ?></span><br><br>

<label for="email">Email Address:</label>

<input type="email" id="email" name="email" value="<?php echo isset($\_POST['email']) ? $\_POST['email'] : ''; ?>">

<span style="color:red;"><?php echo $emailError; ?></span><br><br>

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

</form>

</body>

</html>

# Write a PHP function that check if the string is all lower case.

<html>

<head>

<title>lowercase</title>

<script>

function isAllLowerCase(){

var inputString=document.getElementById("inputString").value; if(inputString===inputString.toLowerCase()){ document.getElementById("result").innerText="The String is all lowercase"; } else{

document.getElementById("result").innerText="The String is not lowercase";

}

}

</script> </head>

<body>

<h2>Check if string is All Lowercase</h2>

<label for="inputString">Enter a String :</label>

<input type="text" id="inputString">

<button onclick="isAllLowerCase()">Check</button>

<p id="result"></p>

</body>

</html>

# Write a PHP program for user defined functions.

<html >

<head>

<title>Armstrong Number Checker</title>

</head>

<body>

<h2>Check Armstrong Number</h2>

<form method="post">

<label>Enter a Number:</label>

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

<button type="submit">Check</button>

</form>

<?php

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$num = $\_POST["number"]; function isArmstrong($num) {

$sum = 0;

$temp = $num;

$digits = strlen((string)$num); while ($temp > 0) {

$digit = $temp % 10;

$sum += pow($digit, $digits);

$temp = (int)($temp / 10);

}

return $sum == $num;

}

if (isArmstrong($num)) {

echo "<p><strong>$num</strong> is an Armstrong number.</p>";

} else {

echo "<p><strong>$num</strong> is not an Armstrong number.</p>";

}

}

?>

</body>

</html>

# Write a PHP program to print personal details using file.

<html>

<head>

<title>Personal details</title>

</head>

<body>

<?php

$file = 'personal\_details.txt'; if (file\_exists($file)){

$details = file\_get\_contents($file); echo "<h1>Personal Details</h1>";

echo "<pre>" .htmlspecialchars($details) . "</pre>";

}

else {

echo "Error: The file 'personal\_details.txt' was not found.";

}

?>

</body>

</html>

# Write a PHP program to perform file operation.

<?php

$errors = ['name' => '', 'city' => ''];

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

if (empty($\_POST["name"])){

$errors['name'] = "Name is required.";

$x=$\_POST["name"];

$f="sample3.txt";

$fp=fopen("$f","w");

fwrite($fp,"name:"); fwrite($fp,$x); fclose($fp);

}

if (empty($\_POST["city"])){

$errors['city'] = "City is required.";

$x=$\_POST["city"];

$f="sample3.txt";

$fp=fopen("$f","a");

fwrite($fp," city:"); fwrite($fp,$x); fclose($fp);

}

$fp=fopen("$f","r");

$x=fread($fp,100); fclose($fp); echo"$x";

}

?>

<html>

<head>

<title>Customer Details Form</title>

</head>

<body>

<h2>Customer Details Form</h2>

<form method="post">

<label>Name: <input type="text" name="name" value="<?= $\_POST['name'] ?? ''

?>"></label><br>

<span style="color:red;"><?= $errors['name'] ?></span><br><br>

<label>City: <input type="text" name="city" value="<?= $\_POST['city'] ?? ''

?>"></label><br>

<span style="color:red;"><?= $errors['city'] ?></span><br><br>

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

</form>

</body>

</html>

# Write a PHP program to create a database & table using SQL queries.

<?php

$servername="localhost";

$username="root";

$password="";

$dbname="personal";

$conn = new mysqli($servername, $username, $password, $dbname); if($conn->connect\_error){

die("connection failed: ". $conn->connect\_error);

}

$message = ""; if($\_SERVER['REQUEST\_METHOD'] == "POST") {

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

$email = $\_POST['email'];

$age = $\_POST['age'];

$Address = $\_POST['address'];

$Phone = $\_POST['phone'];

$sql = "INSERT INTO details(name, email, age, address, phone) VALUES ('$name', '$email', '$age', '$Address', '$Phone')";

if($conn->query($sql) === TRUE){

$message = "Personal details saved successfully";

} else {

$message = "Error: " . $sql . "<br>" . $conn->error;

}

}

if(!empty($message)){ echo "<p>$message</p>";

} ?>

# Write a PHP program to insert, delete, update & select data from database using MYSQL.

<html>

<head>

<title>PHP and MySQL Demo</title>

</head>

<body>

<div class="container">

<h2 class="mt-7" style="text-align:center;background-color:lavender;">PHP and MySQL Demo</h2>

<div class="mt-4">

<h3>Insert Data</h3>

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

<div class="form-group">

<label for="name">Name:</label>

<input type="text" class="form-control" id="name" name="name" required>

</div>

<div class="form-group">

<label for="age">Age:</label>

<input type="text" class="form-control" id="age" name="age" required>

</div>

<button type="submit" class="btnbtn-primary" name="insert">Insert</button>

</form>

</div>

<div class="mt-4">

<h3>Delete Data</h3>

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

<div class="form-group">

<label for="id\_delete">ID to Delete:</label>

<input type="text" class="form-control" id="id\_delete" name="id" required>

</div>

<button type="submit" class="btnbtn-danger" name="delete">Delete</button>

</form>

</div>

<div class="mt-4">

<h3>Update Data</h3>

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

<div class="form-group">

<label for="id\_update">ID to Update:</label>

<input type="text" class="form-control" id="id\_update" name="id" required>

</div>

<div class="form-group">

<label for="new\_name">New Name:</label>

<input type="text" class="form-control" id="new\_name" name="new\_name" required>

</div>

<div class="form-group">

<label for="new\_age">New Age:</label>

<input type="text" class="form-control" id="new\_age" name="new\_age" required>

</div>

<button type="submit" class="btnbtn-warning" name="update">Update</button>

</form>

</div>

<div class="mt-4">

<h3>Display Data</h3>

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

<button type="submit" class="btnbtn-info" name="display">Display</button>

</form>

</div>

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "myDatabase";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

if (isset($\_POST['insert'])) {

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

$age = $\_POST['age'];

$sql = "INSERT INTO myTable (name, age) VALUES ('$name', '$age')";

if ($conn->query($sql) === TRUE) {

echo "<div class='alert alert-success mt-4'>New record created successfully</div>";

}

else {

echo "<div class='alert alert-danger mt-4'>Error: " . $sql . "<br>" . $conn-> error . "</div>";

}

}

if (isset($\_POST['delete'])) {

$id = $\_POST['id'];

$sql = "DELETE FROM myTable WHERE id='$id'"; if ($conn->query($sql) === TRUE) {

echo "<div class='alert alert-success mt-4'>Record deleted successfully</div>";

} else {

echo "<div class='alert alert-danger mt-4'>Error: " . $conn->error . "</div>";

}

}

if (isset($\_POST['update'])) {

$id = $\_POST['id'];

$new\_name = $\_POST['new\_name'];

$new\_age = $\_POST['new\_age'];

$sql = "UPDATE myTable SET name='$new\_name', age='$new\_age' WHERE id='$id'";

if ($conn->query($sql) === TRUE) {

echo "<div class='alert alert-success mt-4'>Record updated successfully</div>";

}

else {

echo "<div class='alert alert-danger mt-4'>Error updating record: " . $conn-

>error . "</div>";

}

}

if (isset($\_POST['display'])) {

$sql = "SELECT id, name, age FROM myTable";

$result = $conn->query($sql); if ($result->num\_rows> 0) {

echo "<div class='mt-4'><h3>Data:</h3><table class='table table-

bordered'><thead><tr><th>ID</th><th>Name</th><th>Age</th></tr></thead><tbod y>";

while($row = $result->fetch\_assoc()) {

echo "<tr><td>" . $row["id"]. "</td><td>" . $row["name"]. "</td><td>" .

$row["age"]. "</td></tr>";

}

echo "</tbody></table></div>";

} else {

echo "<div class='alert alert-info mt-4'>0 results</div>";

}

}

$conn->close();

?>

</div>

</body>

</html>

# Write a program to implementing XML document for customer details.

<customers>

<customer>

<id>1</id>

<name>Soundharya</name>

<email>[soundharya@gmail.com](mailto:soundharya@gmail.com)</email>

<phone>8967452310</phone>

<address>

<street>Arappalayam</street>

<city>Madurai</city>

<state>Tamilnadu</state>

<zip>625016</zip>

</address>

</customer>

<customer>

<id>2</id>

<name>Thamarai</name>

<email>[thamarai@gmail.com](mailto:thamarai@gmail.com)</email>

<phone>9876543210</phone>

<address>

<street>Jaihindpuram</street>

<city>Madurai</city>

<state>Tamilnadu</state>

<zip>625011</zip>

</address>

</customer>

</customers>

# Write a XML person information and access second student data using DOM.

**Stu.py**

from xml.dom import minidom xml\_file = "student.xml"

doc = minidom.parse(xml\_file)

students = doc.getElementsByTagName("student")

if len(students) >= 2:

second\_student = students[0]

student\_id = second\_student.getElementsByTagName("id")[0].firstChild.nodeValue

student\_name = second\_student.getElementsByTagName("name")[0].firstChild.nodeValue

student\_age = second\_student.getElementsByTagName("age")[0].firstChild.nodeValue

student\_score = second\_student.getElementsByTagName("grade")[0].firstChild.nodeValue

print("Student id:", student\_id) print("Student name:", student\_name) print("Student age:", student\_age) print("Student score:", student\_score) else:

print("No second student")

# Stu.XML

<students>

<student>

<id>1</id>

<name>John</name>

<age>25</age>

<grade>A</grade>

</student>

<student>

<id>2</id>

<name>kumar</name>

<age>22</age>

<grade>B</grade>

</student>

</students>