**Steps to Install and configure XAMPP server**

⦁ download xampp

⦁ cd Downloads

⦁ sudo chmod +x xampp-linux-x64-8.2.0-0-installer.run

⦁ sudo ./xampp-linux-x64-8.2.0-0-installer.run

⦁ click on manage server

⦁ Start Apache server if not starting then check Apache service using following command

: sudo service apache2 status

sudo service apache2 stop

⦁ To change the privilege of htdocs file do the following:

Open new terminal

⦁ sudo su ⦁ enter password

⦁ chmod -R 777 /opt/lampp/htdocs

⦁ After this copy and paste the .php file and .html file in htdocs

**1. TY Time Table using HTML and CSS/Bootstrap**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>TY Timetable</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">

<style>

body {

padding: 20px;

background: linear-gradient(to right, pink, #B5FFFC);

font-family: 'Segoe UI', sans-serif;

}

.card {

border-radius: 20px;

box-shadow: 0 10px 25px rgba(0, 0, 0, 0.1);

overflow: hidden;

background-color: #fff;

}

h2 {

text-align: center;

margin: 30px 0;

color: #4A4E69;

font-weight: bold;

}

.table thead {

background: linear-gradient(to right, #4A00E0, #8E2DE2);

color: white;

font-weight: bold;

}

.table td, .table th {

text-align: center;

vertical-align: middle;

}

.table tbody tr:hover {

background-color: #f3f3f3;

transition: background-color 0.3s;

}

.table tbody tr:nth-child(even) {

background-color: #fff7e6;

}

.table tbody tr:nth-child(odd) {

background-color: #e6f9ff;

}

.break {

background-color: #f8d7da !important;

font-weight: bold;

color: #721c24;

}

.lunch {

background-color: #d4edda !important;

font-weight: bold;

color: #155724;

}

.lab {

background-color: yellowgreen !important;

}

}

</style>

</head>

<body>

<div class="container">

<h2>Third Year Timetable</h2>

<div class="card p-3">

<div class="table-responsive">

<table class="table table-bordered table-hover">

<thead>

<tr>

<th>Day</th>

<th>9:00 - 10:00</th>

<th>10:00 - 11:00</th>

<th>11:00 - 11:10</th>

<th>11:10 - 12:10</th>

<th>12:10 - 1:10</th>

<th>1:10 - 2:10</th>

<th>2:10 - 3:10</th>

<th>3:10 - 4:10</th>

<th>4:10 - 5:10</th>

</tr>

</thead>

<tbody>

<tr>

<td>Monday</td>

<td>OS (MB)</td>

<td>PM (BD)</td>

<td class="break">Short Break</td>

<td>RS & GIS (PM)</td>

<td>PDT</td>

<td class="lunch">Lunch Break</td>

<td class="lab">PBL-IV(IVP) (DP)</td>

<td class="lab">PBL-IV(IVP) (DP)</td>

<td>TS</td>

</tr>

<tr>

<td>Tuesday</td>

<td>OS (MB)</td>

<td>PDT (BD)</td>

<td class="break">Short Break</td>

<td>RS & GIS (PM)</td>

<td>PDT</td>

<td class="lunch">Lunch Break</td>

<td>SDL (SK)</td>

<td>SDL (SK)</td>

<td>PM (BD)</td>

</tr>

<tr>

<td>Wednesday</td>

<td>OS-Lab (BM)</td>

<td>OS-Lab (BM)</td>

<td class="break">Short Break</td>

<td>RS & GIS (PM)</td>

<td>CPFEV (KP)</td>

<td class="lunch">Lunch Break</td>

<td>SDL (SK)</td>

<td>SDL (SK)</td>

<td>TS</td>

</tr>

<tr>

<td>Thursday</td>

<td>TS</td>

<td>PM (BD)</td>

<td class="break">Short Break</td>

<td>RS & GIS (PM)</td>

<td>PDT</td>

<td class="lunch">Lunch Break</td>

<td class="lab">PBL-IV (ML) (PS)</td>

<td class="lab">PBL-IV (ML) (PS)</td>

<td>PM (BD)</td>

</tr>

<tr>

<td>Friday</td>

<td>OS Lab (MS)</td>

<td>OS Lab (MS)</td>

<td class="break">Short Break</td>

<td>CPFEV (KP)</td>

<td>IVP (NG)</td>

<td class="lunch">Lunch Break</td>

<td>AJP (GS)</td>

<td>AJP (GS)</td>

<td></td>

</tr>

</tbody>

</table>

</div>

</div>

</div>

</body>

</html>

**2. Design a railway Time Table using HTML and CSS.**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Railway Time Table</title>

<style>

body {

font-family: 'Segoe UI', sans-serif;

background: #f1f1f1;

padding: 20px;

}

h1 {

text-align: center;

color: #2c3e50;

}

table {

width: 90%;

margin: auto;

border-collapse: collapse;

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

background: white;

}

th, td {

padding: 15px;

text-align: center;

border-bottom: 1px solid #ddd;

}

th {

background-color: #2980b9;

color: white;

}

tr:nth-child(even) {

background-color: #f9f9f9;

}

tr:hover {

background-color: #f1f1f1;

}

</style>

</head>

<body>

<h1>Railway Time Table</h1>

<table>

<tr>

<th>Train Name</th>

<th>Train Number</th>

<th>Source</th>

<th>Destination</th>

<th>Arrival</th>

<th>Departure</th>

<th>Days</th>

</tr>

<tr>

<td>Rajdhani Express</td>

<td>12301</td>

<td>Mumbai</td>

<td>Delhi</td>

<td>08:30 AM</td>

<td>09:00 AM</td>

<td>Mon, Wed, Fri</td>

</tr>

<tr>

<td>Shatabdi Express</td>

<td>12001</td>

<td>Pune</td>

<td>Chennai</td>

<td>06:00 AM</td>

<td>06:30 AM</td>

<td>All Days</td>

</tr>

<tr>

<td>Duronto Express</td>

<td>12201</td>

<td>Delhi</td>

<td>Bangalore</td>

<td>10:00 PM</td>

<td>10:30 PM</td>

<td>Tue, Thu, Sat</td>

</tr>

</table>

</body>

</html>

**3. Design a facebook registration form and Apply field level validation using javascript for Facebook registration form.**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Facebook Registration</title>

<style>

body {

font-family: Arial;

background: #f0f2f5;

padding: 30px;

}

.container {

background: white;

width: 400px;

margin: auto;

padding: 20px;

border-radius: 8px;

box-shadow: 0 0 15px rgba(0,0,0,0.1);

}

input, select {

width: 100%;

padding: 10px;

margin-top: 10px;

border: 1px solid #ccc;

border-radius: 5px;

}

label {

font-weight: bold;

}

.error {

color: red;

font-size: 12px;

}

button {

background: #1877f2;

color: white;

padding: 10px;

width: 100%;

border: none;

border-radius: 5px;

margin-top: 15px;

font-size: 16px;

cursor: pointer;

}

</style>

</head>

<body>

<div class="container">

<h2>Facebook Registration</h2>

<form id="fbForm">

<label>Full Name</label>

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

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

<label>Email</label>

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

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

<label>Password</label>

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

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

<label>Gender</label>

<select id="gender" required>

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

<option>Male</option>

<option>Female</option>

<option>Other</option>

</select>

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

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

</form>

</div>

<script>

document.getElementById("fbForm").addEventListener("submit", function(e){

e.preventDefault();

let valid = true;

if(document.getElementById("name").value === "") {

document.getElementById("nameError").textContent = "Name is required.";

valid = false;

} else document.getElementById("nameError").textContent = "";

const emailVal = document.getElementById("email").value;

if(emailVal === "" || !emailVal.includes("@")) {

document.getElementById("emailError").textContent = "Valid email required.";

valid = false;

} else document.getElementById("emailError").textContent = "";

if(document.getElementById("password").value.length < 6) {

document.getElementById("passError").textContent = "Min 6 characters.";

valid = false;

} else document.getElementById("passError").textContent = "";

if(document.getElementById("gender").value === "") {

document.getElementById("genderError").textContent = "Please select gender.";

valid = false;

} else document.getElementById("genderError").textContent = "";

if(valid) alert("Registered Successfully!");

});

</script>

</body>

</html>

**4. Design a Registration form for Gmail and Apply Submit level validation**

**using javascript .**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Facebook Registration</title>

<style>

body {

font-family: Arial;

background: #f0f2f5;

padding: 30px;

}

.container {

background: white;

width: 400px;

margin: auto;

padding: 20px;

border-radius: 8px;

box-shadow: 0 0 15px rgba(0,0,0,0.1);

}

input, select {

width: 100%;

padding: 10px;

margin-top: 10px;

border: 1px solid #ccc;

border-radius: 5px;

}

label {

font-weight: bold;

}

.error {

color: red;

font-size: 12px;

}

button {

background: #1877f2;

color: white;

padding: 10px;

width: 100%;

border: none;

border-radius: 5px;

margin-top: 15px;

font-size: 16px;

cursor: pointer;

}

</style>

</head>

<body>

<div class="container">

<h2>Facebook Registration</h2>

<form id="fbForm">

<label>Full Name</label>

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

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

<label>Email</label>

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

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

<label>Password</label>

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

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

<label>Gender</label>

<select id="gender" required>

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

<option>Male</option>

<option>Female</option>

<option>Other</option>

</select>

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

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

</form>

</div>

<script>

document.getElementById("fbForm").addEventListener("submit", function(e){

e.preventDefault();

let valid = true;

if(document.getElementById("name").value === "") {

document.getElementById("nameError").textContent = "Name is required.";

valid = false;

} else document.getElementById("nameError").textContent = "";

const emailVal = document.getElementById("email").value;

if(emailVal === "" || !emailVal.includes("@")) {

document.getElementById("emailError").textContent = "Valid email required.";

valid = false;

} else document.getElementById("emailError").textContent = "";

if(document.getElementById("password").value.length < 6) {

document.getElementById("passError").textContent = "Min 6 characters.";

valid = false;

} else document.getElementById("passError").textContent = "";

if(document.getElementById("gender").value === "") {

document.getElementById("genderError").textContent = "Please select gender.";

valid = false;

} else document.getElementById("genderError").textContent = "";

if(valid) alert("Registered Successfully!");

});

</script>

</body>

</html>

**5. Create a 3 page website using HTML and Bootstrap for Online shopping of garments.**

index.html (Homepage)

<!-- index.html -->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Garment Store - Home</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-dark bg-dark px-4">

<a class="navbar-brand" href="#">GarmentStore</a>

<div class="collapse navbar-collapse">

<ul class="navbar-nav ms-auto">

<li class="nav-item"><a class="nav-link" href="index.html">Home</a></li>

<li class="nav-item"><a class="nav-link" href="products.html">Products</a></li>

<li class="nav-item"><a class="nav-link" href="contact.html">Contact</a></li>

</ul>

</div>

</nav>

<div class="container text-center mt-5">

<h1>Welcome to GarmentStore</h1>

<p class="lead">Find the latest fashion in men and women wear!</p>

<a href="products.html" class="btn btn-primary">Explore Products</a>

</div>

<footer class="bg-dark text-white text-center py-3 mt-5">

&copy; 2025 GarmentStore | Fashion for All

</footer>

</body>

</html>

🔷 products.html

<!-- products.html -->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Products - GarmentStore</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-dark bg-dark px-4">

<a class="navbar-brand" href="#">GarmentStore</a>

<div class="collapse navbar-collapse">

<ul class="navbar-nav ms-auto">

<li class="nav-item"><a class="nav-link" href="index.html">Home</a></li>

<li class="nav-item"><a class="nav-link active" href="#">Products</a></li>

<li class="nav-item"><a class="nav-link" href="contact.html">Contact</a></li>

</ul>

</div>

</nav>

<div class="container my-5">

<h2 class="text-center mb-4">Our Bestsellers</h2>

<div class="row g-4">

<div class="col-md-4">

<div class="card">

<img src="https://via.placeholder.com/300x200?text=Men+T-Shirt" class="card-img-top" alt="T-Shirt">

<div class="card-body">

<h5 class="card-title">Men's T-Shirt</h5>

<p class="card-text">₹699</p>

<a href="#" class="btn btn-success">Add to Cart</a>

</div>

</div>

</div>

<div class="col-md-4">

<div class="card">

<img src="https://via.placeholder.com/300x200?text=Women+Dress" class="card-img-top" alt="Dress">

<div class="card-body">

<h5 class="card-title">Women's Dress</h5>

<p class="card-text">₹1299</p>

<a href="#" class="btn btn-success">Add to Cart</a>

</div>

</div>

</div>

<div class="col-md-4">

<div class="card">

<img src="https://via.placeholder.com/300x200?text=Jeans" class="card-img-top" alt="Jeans">

<div class="card-body">

<h5 class="card-title">Unisex Jeans</h5>

<p class="card-text">₹999</p>

<a href="#" class="btn btn-success">Add to Cart</a>

</div>

</div>

</div>

</div>

</div>

<footer class="bg-dark text-white text-center py-3">

&copy; 2025 GarmentStore | Made with ❤️

</footer>

</body>

</html>

🔷 contact.html

<!-- contact.html -->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Contact Us - GarmentStore</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-dark bg-dark px-4">

<a class="navbar-brand" href="#">GarmentStore</a>

<div class="collapse navbar-collapse">

<ul class="navbar-nav ms-auto">

<li class="nav-item"><a class="nav-link" href="index.html">Home</a></li>

<li class="nav-item"><a class="nav-link" href="products.html">Products</a></li>

<li class="nav-item"><a class="nav-link active" href="#">Contact</a></li>

</ul>

</div>

</nav>

<div class="container my-5">

<h2 class="text-center">Contact Us</h2>

<form class="mt-4">

<div class="mb-3">

<label class="form-label">Name</label>

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

</div>

<div class="mb-3">

<label class="form-label">Email</label>

<input type="email" class="form-control" required>

</div>

<div class="mb-3">

<label class="form-label">Message</label>

<textarea class="form-control" rows="4" required></textarea>

</div>

<button type="submit" class="btn btn-danger">Submit</button>

</form>

</div>

<footer class="bg-dark text-white text-center py-3 mt-5">

&copy; 2025 GarmentStore | Let’s Talk Fashion

</footer>

</body>

</html>

**6. Design a calculator using javascript.**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Calculator</title>

<style>

body {

background: #f0f0f0;

display: flex;

height: 100vh;

justify-content: center;

align-items: center;

font-family: 'Segoe UI', sans-serif;

}

.calculator {

background: #222;

padding: 20px;

border-radius: 10px;

box-shadow: 0 0 15px rgba(0,0,0,0.4);

}

input[type="text"] {

width: 100%;

padding: 15px;

font-size: 22px;

border: none;

border-radius: 6px;

margin-bottom: 10px;

text-align: right;

}

.buttons {

display: grid;

grid-template-columns: repeat(4, 1fr);

gap: 12px;

}

.buttons button {

padding: 18px;

font-size: 18px;

border: none;

border-radius: 6px;

background: #444;

color: #fff;

cursor: pointer;

}

.buttons button:hover {

background: #666;

}

.buttons .equal {

background: #0d6efd;

grid-column: span 2;

}

.buttons .equal:hover {

background: #005ce6;

}

</style>

</head>

<body>

<div class="calculator">

<input type="text" id="result" readonly>

<div class="buttons">

<button onclick="clearResult()">C</button>

<button onclick="append('%')">%</button>

<button onclick="append('/')">/</button>

<button onclick="append('\*')">x</button>

<button onclick="append('7')">7</button>

<button onclick="append('8')">8</button>

<button onclick="append('9')">9</button>

<button onclick="append('-')">-</button>

<button onclick="append('4')">4</button>

<button onclick="append('5')">5</button>

<button onclick="append('6')">6</button>

<button onclick="append('+')">+</button>

<button onclick="append('1')">1</button>

<button onclick="append('2')">2</button>

<button onclick="append('3')">3</button>

<button onclick="calculate()" class="equal">=</button>

<button onclick="append('0')">0</button>

<button onclick="append('.')">.</button>

</div>

</div>

<script>

const result = document.getElementById("result");

function append(value) {

result.value += value;

}

function clearResult() {

result.value = "";

}

function calculate() {

try {

result.value = eval(result.value);

} catch {

result.value = "Error";

}

}

</script>

</body>

</html>

**7. Link a JS file into a HTML file, put an alert, calculate average number of**

**weeks in human lifetime, create variables to store a string, program that**

**tells time of the day (morning, afternoon, night), etc.**

Index.html  
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>JavaScript Demo</title>

</head>

<body>

<h1>JavaScript Link and Time Display</h1>

<p id="timeMsg"></p>

<script src="script.js"></script>

</body>

</html>

script.js

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>JavaScript Demo</title>

</head>

<body>

<h1>JavaScript Link and Time Display</h1>

<p id="timeMsg"></p>

<script src="script.js"></script>

</body>

</html>

**8. Develop a app using PHP and MySQl for Complaint Management System.**

CREATE DATABASE complaints\_db;

USE complaints\_db;

CREATE TABLE complaints (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100),

email VARCHAR(100),

complaint TEXT,

status VARCHAR(20) DEFAULT 'Pending',

date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

Database Connection (db.php):

php

Copy

Edit

<?php

$conn = new mysqli('localhost', 'root', '', 'complaints\_db');

if ($conn->connect\_error) {

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

}

?>

Add Complaint Form (add\_complaint.php):

php

Copy

Edit

<form action="submit\_complaint.php" method="POST">

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

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

Complaint: <textarea name="complaint"></textarea><br>

<button type="submit">Submit Complaint</button>

</form>

Submit Complaint (submit\_complaint.php):

php

Copy

Edit

<?php

include('db.php');

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

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

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

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

$sql = "INSERT INTO complaints (name, email, complaint, status) VALUES ('$name', '$email', '$complaint', 'Pending')";

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

echo "Complaint submitted successfully.";

} else {

echo "Error: " . $conn->error;

}

}

?>

Display Complaints (view\_complaints.php):

php

Copy

Edit

<?php

include('db.php');

$result = $conn->query("SELECT \* FROM complaints");

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

echo $row['name'] . " (" . $row['status'] . "): " . $row['complaint'] . "<br>";

}

?>

**9. Develop a app using PHP and MySQl for Toll Tax Management System.**

Create a database named toll\_system and run this SQL:

sql

Copy

Edit

CREATE DATABASE toll\_system;

USE toll\_system;

CREATE TABLE toll\_entries (

id INT AUTO\_INCREMENT PRIMARY KEY,

vehicle\_number VARCHAR(20),

vehicle\_type VARCHAR(50),

toll\_amount DECIMAL(10,2),

date\_time TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

📄 2. db.php (Database Connection)

php

Copy

Edit

<?php

$conn = mysqli\_connect("localhost", "root", "", "toll\_system");

if (!$conn) {

die("Connection failed: " . mysqli\_connect\_error());

}

?>

🏠 3. index.php (Toll Entry Form)

php

Copy

Edit

<?php include 'db.php'; ?>

<!DOCTYPE html>

<html>

<head>

<title>Toll Tax Management System</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body class="bg-light">

<div class="container mt-5">

<h2 class="text-center mb-4">Toll Tax Entry</h2>

<form method="POST" action="">

<div class="mb-3">

<label>Vehicle Number</label>

<input type="text" name="vehicle\_number" class="form-control" required>

</div>

<div class="mb-3">

<label>Vehicle Type</label>

<select name="vehicle\_type" class="form-control" required>

<option value="Car">Car</option>

<option value="Bus">Bus</option>

<option value="Truck">Truck</option>

<option value="Two-Wheeler">Two-Wheeler</option>

</select>

</div>

<button type="submit" name="submit" class="btn btn-primary w-100">Submit Entry</button>

</form>

<?php

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

$vehicle\_number = $\_POST['vehicle\_number'];

$vehicle\_type = $\_POST['vehicle\_type'];

$toll\_amount = match($vehicle\_type) {

"Car" => 50,

"Bus" => 100,

"Truck" => 150,

"Two-Wheeler" => 20,

default => 0

};

$sql = "INSERT INTO toll\_entries (vehicle\_number, vehicle\_type, toll\_amount)

VALUES ('$vehicle\_number', '$vehicle\_type', '$toll\_amount')";

mysqli\_query($conn, $sql);

echo "<div class='alert alert-success mt-3'>Entry Added Successfully!</div>";

}

?>

<a href="view.php" class="btn btn-secondary mt-4 w-100">View Toll Records</a>

</div>

</body>

</html>

📄 4. view.php (View All Toll Records)

php

Copy

Edit

<?php include 'db.php'; ?>

<!DOCTYPE html>

<html>

<head>

<title>View Toll Records</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body class="bg-light">

<div class="container mt-5">

<h2 class="text-center mb-4">All Toll Entries</h2>

<table class="table table-bordered table-hover">

<thead class="table-dark">

<tr>

<th>ID</th>

<th>Vehicle Number</th>

<th>Type</th>

<th>Amount</th>

<th>Date/Time</th>

<th>Action</th>

</tr>

</thead>

<tbody>

<?php

$result = mysqli\_query($conn, "SELECT \* FROM toll\_entries");

$total = 0;

while ($row = mysqli\_fetch\_assoc($result)) {

echo "<tr>

<td>{$row['id']}</td>

<td>{$row['vehicle\_number']}</td>

<td>{$row['vehicle\_type']}</td>

<td>₹{$row['toll\_amount']}</td>

<td>{$row['date\_time']}</td>

<td><a href='delete.php?id={$row['id']}' class='btn btn-danger btn-sm'>Delete</a></td>

</tr>";

$total += $row['toll\_amount'];

}

?>

</tbody>

</table>

<h4 class="text-end">Total Collection: ₹<?php echo $total; ?></h4>

<a href="index.php" class="btn btn-primary mt-3 w-100">Back to Entry</a>

</div>

</body>

</html>

🗑️ 5. delete.php (Delete Toll Entry)

php

Copy

Edit

<?php

include 'db.php';

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

mysqli\_query($conn, "DELETE FROM toll\_entries WHERE id=$id");

header("Location: view.php");

?>

**10.Develop a app using PHP and MySQL for Pharmacy Management System.**

🛠️ 1. Database Setup

sql

Copy

Edit

CREATE DATABASE pharmacy;

USE pharmacy;

CREATE TABLE medicines (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100),

batch\_no VARCHAR(50),

quantity INT,

price DECIMAL(10,2),

expiry\_date DATE

);

🔌 2. db.php

php

Copy

Edit

<?php

$conn = mysqli\_connect("localhost", "root", "", "pharmacy");

if (!$conn) {

die("Connection failed: " . mysqli\_connect\_error());

}

?>

🧾 3. index.php (Add Medicine)

php

Copy

Edit

<?php include 'db.php'; ?>

<!DOCTYPE html>

<html>

<head>

<title>Add Medicine</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body class="bg-light">

<div class="container mt-5">

<h2 class="text-center">Pharmacy Management System</h2>

<form method="post">

<div class="mb-3">

<label>Medicine Name</label>

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

</div>

<div class="mb-3">

<label>Batch Number</label>

<input type="text" name="batch\_no" class="form-control" required>

</div>

<div class="mb-3">

<label>Quantity</label>

<input type="number" name="quantity" class="form-control" required>

</div>

<div class="mb-3">

<label>Price (₹)</label>

<input type="number" step="0.01" name="price" class="form-control" required>

</div>

<div class="mb-3">

<label>Expiry Date</label>

<input type="date" name="expiry\_date" class="form-control" required>

</div>

<button type="submit" name="add" class="btn btn-primary w-100">Add Medicine</button>

</form>

<a href="view.php" class="btn btn-secondary w-100 mt-3">View Medicines</a>

<?php

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

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

$batch\_no = $\_POST['batch\_no'];

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

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

$expiry\_date = $\_POST['expiry\_date'];

$sql = "INSERT INTO medicines (name, batch\_no, quantity, price, expiry\_date)

VALUES ('$name', '$batch\_no', $quantity, $price, '$expiry\_date')";

mysqli\_query($conn, $sql);

echo "<div class='alert alert-success mt-3'>Medicine Added!</div>";

}

?>

</div>

</body>

</html>

📋 4. view.php (View/Search/Expiry/Low Stock)

php

Copy

Edit

<?php include 'db.php'; ?>

<!DOCTYPE html>

<html>

<head>

<title>View Medicines</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body class="bg-light">

<div class="container mt-5">

<h2 class="text-center mb-4">Medicine Records</h2>

<table class="table table-bordered">

<thead class="table-dark">

<tr>

<th>ID</th>

<th>Name</th>

<th>Batch No</th>

<th>Qty</th>

<th>Price</th>

<th>Expiry</th>

<th>Actions</th>

</tr>

</thead>

<tbody>

<?php

$result = mysqli\_query($conn, "SELECT \* FROM medicines");

while($row = mysqli\_fetch\_assoc($result)) {

$is\_expired = strtotime($row['expiry\_date']) < time() ? "style='color:red'" : "";

$is\_low\_stock = $row['quantity'] < 5 ? "bg-warning" : "";

echo "<tr class='$is\_low\_stock'>

<td>{$row['id']}</td>

<td>{$row['name']}</td>

<td>{$row['batch\_no']}</td>

<td>{$row['quantity']}</td>

<td>₹{$row['price']}</td>

<td $is\_expired>{$row['expiry\_date']}</td>

<td>

<a href='update.php?id={$row['id']}' class='btn btn-sm btn-primary'>Edit</a>

<a href='delete.php?id={$row['id']}' class='btn btn-sm btn-danger'>Delete</a>

</td>

</tr>";

}

?>

</tbody>

</table>

<a href="index.php" class="btn btn-primary w-100">Back to Add</a>

</div>

</body>

</html>

✏️ 5. update.php (Edit Medicine)

php

Copy

Edit

<?php include 'db.php';

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

$result = mysqli\_query($conn, "SELECT \* FROM medicines WHERE id=$id");

$row = mysqli\_fetch\_assoc($result);

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

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

$batch\_no = $\_POST['batch\_no'];

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

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

$expiry\_date = $\_POST['expiry\_date'];

$sql = "UPDATE medicines SET name='$name', batch\_no='$batch\_no', quantity=$quantity, price=$price, expiry\_date='$expiry\_date' WHERE id=$id";

mysqli\_query($conn, $sql);

header("Location: view.php");

}

?>

<!DOCTYPE html>

<html>

<head>

<title>Update Medicine</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body class="bg-light">

<div class="container mt-5">

<h2 class="text-center">Update Medicine</h2>

<form method="post">

<div class="mb-3"><label>Name</label><input type="text" name="name" class="form-control" value="<?= $row['name'] ?>" required></div>

<div class="mb-3"><label>Batch No</label><input type="text" name="batch\_no" class="form-control" value="<?= $row['batch\_no'] ?>" required></div>

<div class="mb-3"><label>Quantity</label><input type="number" name="quantity" class="form-control" value="<?= $row['quantity'] ?>" required></div>

<div class="mb-3"><label>Price</label><input type="number" step="0.01" name="price" class="form-control" value="<?= $row['price'] ?>" required></div>

<div class="mb-3"><label>Expiry Date</label><input type="date" name="expiry\_date" class="form-control" value="<?= $row['expiry\_date'] ?>" required></div>

<button type="submit" name="update" class="btn btn-success w-100">Update</button>

</form>

</div>

</body>

</html>

🗑️ 6. delete.php

php

Copy

Edit

<?php

include 'db.php';

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

mysqli\_query($conn, "DELETE FROM medicines WHERE id=$id");

header("Location: view.php");

?>

**11.Develop a app using PHP and MySQl for College Admission Management**

**System.**

Database:

college\_admission

CREATE DATABASE college\_admission;

USE college\_admission;

CREATE TABLE applicants (

id INT AUTO\_INCREMENT PRIMARY KEY,

full\_name VARCHAR(100),

email VARCHAR(100),

phone VARCHAR(20),

course VARCHAR(50),

dob DATE,

address TEXT,

submitted\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

**Index.php:**

<!DOCTYPE html>

<html>

<head>

<title>College Admission Portal</title>

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

</head>

<body>

<div class="container">

<h1>Welcome to XYZ College Admission Portal</h1>

<p>Apply now and shape your future with us!</p>

<a href="apply.php" class="btn">Apply for Admission</a>

<a href="admin.php" class="btn">Admin Panel</a>

</div>

</body>

</html>

**Apply.php**

<!DOCTYPE html>

<html>

<head>

<title>Admission Form</title>

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

</head>

<body>

<div class="container">

<h2> Admission Application Form</h2>

<form action="submit.php" method="post">

<label>Full Name</label>

<input type="text" name="full\_name" required>

<label>Email</label>

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

<label>Phone Number</label>

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

<label>Course Applying For</label>

<select name="course" required>

<option>B.Sc Computer Science</option>

<option>BBA</option>

<option>B.Com</option>

<option>BA English</option>

</select>

<label>Date of Birth</label>

<input type="date" name="dob" required>

<label>Address</label>

<textarea name="address" rows="4" required></textarea>

<input type="submit" value="Submit Application" class="btn">

</form>

</div>

</body>

</html>

**submit.php**

<?php

$conn = new mysqli("localhost", "root", "", "college\_admission");

if ($conn->connect\_error) {

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

}

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

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

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

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

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

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

$sql = "INSERT INTO applicants (full\_name, email, phone, course, dob, address)

VALUES ('$full\_name', '$email', '$phone', '$course', '$dob', '$address')";

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

echo "<h2>✅ Application Submitted Successfully!</h2>";

echo "<a href='index.php'>Go Home</a>";

} else {

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

}

$conn->close();

?>

**Admin.php**

<?php

$conn = new mysqli("localhost", "root", "", "college\_admission");

$result = $conn->query("SELECT \* FROM applicants");

?>

<!DOCTYPE html>

<html>

<head>

<title>Admin Panel</title>

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

</head>

<body>

<div class="container">

<h2>📋 List of Applications</h2>

<table>

<tr>

<th>ID</th><th>Name</th><th>Email</th><th>Phone</th><th>Course</th><th>DOB</th><th>Address</th><th>Submitted</th>

</tr>

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

<tr>

<td><?= $row['id'] ?></td>

<td><?= $row['full\_name'] ?></td>

<td><?= $row['email'] ?></td>

<td><?= $row['phone'] ?></td>

<td><?= $row['course'] ?></td>

<td><?= $row['dob'] ?></td>

<td><?= $row['address'] ?></td>

<td><?= $row['submitted\_at'] ?></td>

</tr>

<?php } ?>

</table>

</div>

</body>

</html>

**style.css**

body {

font-family: Arial, sans-serif;

background: linear-gradient(to right, #e3f2fd, #ffffff);

margin: 0;

padding: 0;

}

.container {

width: 80%;

margin: 30px auto;

background: #fff;

padding: 20px 30px;

border-radius: 12px;

box-shadow: 0 0 20px rgba(0,0,0,0.1);

}

h1, h2 {

text-align: center;

color: #0d47a1;

}

form input, form textarea, form select {

width: 100%;

padding: 10px;

margin: 10px 0 20px 0;

border: 1px solid #bbb;

border-radius: 6px;

}

.btn {

display: inline-block;

background-color: #0d47a1;

color: #fff;

padding: 10px 25px;

border-radius: 8px;

text-decoration: none;

transition: background 0.3s;

}

.btn:hover {

background-color: #1976d2;

}

table {

width: 100%;

border-collapse: collapse;

margin-top: 20px;

}

th, td {

padding: 12px;

border: 1px solid #ccc;

text-align: center;

}

th {

background-color: #bbdefb;

}

**12. Create simple HTML forms with input elements and a button.**

<form>

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

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

<label>Phone Number: <input type="tel" name="phone" pattern="[0-9]{10}" required></label><br><br>

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

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

</form>

**13. Write Javascript functions that are used as event handlers.**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Alert & Background Change</title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

padding-top: 100px;

transition: background 0.5s ease;

}

button {

padding: 12px 25px;

font-size: 18px;

color: white;

background-color: #007BFF;

border: none;

border-radius: 8px;

cursor: pointer;

box-shadow: 0 4px 8px rgba(0,0,0,0.2);

transition: background 0.3s ease;

}

button:hover {

background-color: #0056b3;

}

</style>

</head>

<body>

<h1>Click the Button to Change Background</h1>

<button onclick="showAlert()">Click Me</button>

<script>

function showAlert() {

alert("You clicked the button!");

document.body.style.background = "linear-gradient(to right, #ff6a00, #ee0979)";

}

</script>

</body>

</html>

**14.Create Fibonacci series in JavaScript and display on HTML**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Fibonacci Series</title>

<style>

body {

font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

background: #f0f4f8;

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

margin: 0;

}

.container {

background: #ffffff;

padding: 30px;

border-radius: 15px;

box-shadow: 0 10px 25px rgba(0, 0, 0, 0.1);

text-align: center;

width: 400px;

}

h2 {

margin-bottom: 20px;

color: #333;

}

input[type="number"] {

padding: 10px;

width: 60%;

font-size: 1rem;

border: 1px solid #ccc;

border-radius: 8px;

margin-bottom: 15px;

}

button {

padding: 10px 20px;

font-size: 1rem;

background-color: #007bff;

color: white;

border: none;

border-radius: 8px;

cursor: pointer;

transition: background 0.3s;

}

button:hover {

background-color: #0056b3;

}

#output {

margin-top: 20px;

font-size: 1.1rem;

color: #444;

word-wrap: break-word;

}

</style>

</head>

<body>

<div class="container">

<h2>Fibonacci Series Generator</h2>

<input type="number" id="count" placeholder="Enter number of terms" value="10" min="1">

<br>

<button onclick="generateFibonacci()">Generate</button>

<p id="output"></p>

</div>

<script>

function generateFibonacci() {

const n = parseInt(document.getElementById("count").value);

let fibSeries = [];

if (n >= 1) fibSeries.push(0);

if (n >= 2) fibSeries.push(1);

for (let i = 2; i < n; i++) {

fibSeries.push(fibSeries[i - 1] + fibSeries[i - 2]);

}

document.getElementById("output").innerText =

"Fibonacci Series: " + fibSeries.join(', ');

}

</script>

</body>

</html>

**15.Create sign up page and display name after login(username &amp;**

**Password) with Validation.**

<!DOCTYPE html>

<html>

<head>

<title>Sign Up / Login</title>

<style>

body {

font-family: Arial, sans-serif;

background: linear-gradient(to right, #74ebd5, #ACB6E5);

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

margin: 0;

}

.container {

background: #fff;

padding: 30px;

border-radius: 15px;

box-shadow: 0 0 20px rgba(0,0,0,0.2);

width: 350px;

text-align: center;

}

h2 {

margin-bottom: 20px;

}

input {

width: 90%;

padding: 10px;

margin: 10px 0;

border-radius: 8px;

border: 1px solid #ccc;

}

button {

padding: 10px 20px;

background: #4CAF50;

color: white;

border: none;

border-radius: 8px;

cursor: pointer;

}

button:hover {

background: #45a049;

}

.hidden {

display: none;

}

#welcome {

font-size: 1.3em;

font-weight: bold;

color: #333;

}

</style>

</head>

<body>

<div class="container" id="signupForm">

<h2>Sign Up</h2>

<input type="text" id="signupUsername" placeholder="Username" required><br>

<input type="password" id="signupPassword" placeholder="Password" required><br>

<button onclick="signup()">Sign Up</button>

</div>

<div class="container hidden" id="loginForm">

<h2>Login</h2>

<input type="text" id="loginUsername" placeholder="Username" required><br>

<input type="password" id="loginPassword" placeholder="Password" required><br>

<button onclick="login()">Login</button>

</div>

<div class="container hidden" id="welcomeScreen">

<p id="welcome"></p>

<button onclick="logout()">Logout</button>

</div>

<script>

let registeredUser = "";

let registeredPass = "";

function signup() {

const uname = document.getElementById("signupUsername").value.trim();

const pass = document.getElementById("signupPassword").value;

if (uname === "" || pass === "") {

alert("Please fill all fields.");

return;

}

if (pass.length < 6) {

alert("Password must be at least 6 characters.");

return;

}

registeredUser = uname;

registeredPass = pass;

alert("Sign Up Successful! Please log in now.");

document.getElementById("signupForm").classList.add("hidden");

document.getElementById("loginForm").classList.remove("hidden");

}

function login() {

const uname = document.getElementById("loginUsername").value.trim();

const pass = document.getElementById("loginPassword").value;

if (uname === "" || pass === "") {

alert("Please enter username and password.");

return;

}

if (uname === registeredUser && pass === registeredPass) {

document.getElementById("loginForm").classList.add("hidden");

document.getElementById("welcomeScreen").classList.remove("hidden");

document.getElementById("welcome").innerText = `Welcome, ${registeredUser}!`;

} else {

alert("Invalid credentials. Try again.");

}

}

function logout() {

document.getElementById("welcomeScreen").classList.add("hidden");

document.getElementById("loginForm").classList.remove("hidden");

document.getElementById("loginUsername").value = "";

document.getElementById("loginPassword").value = "";

}

</script>

</body>

</html>

**16. Create registration form and display the details (firstaname, lastname,**

**organization, Hobbies, etc...) With validation.**

<!DOCTYPE html>

<html>

<head>

<title>Registration Form</title>

<style>

body {

background: linear-gradient(to right, #ffecd2, #fcb69f);

font-family: Arial, sans-serif;

display: flex;

justify-content: center;

padding: 50px;

}

.form-container {

background: white;

padding: 30px;

border-radius: 15px;

box-shadow: 0 0 20px rgba(0,0,0,0.1);

width: 400px;

}

h2 {

text-align: center;

}

input, select {

width: 100%;

padding: 10px;

margin-top: 8px;

margin-bottom: 4px;

border-radius: 5px;

border: 1px solid #ccc;

}

label {

font-weight: bold;

}

.error {

color: red;

font-size: 13px;

margin-bottom: 10px;

}

.btn {

width: 100%;

padding: 12px;

background: #4CAF50;

border: none;

color: white;

font-weight: bold;

border-radius: 5px;

cursor: pointer;

}

.btn:hover {

background: #45a049;

}

#output {

margin-top: 20px;

font-weight: bold;

color: #333;

}

</style>

</head>

<body>

<div class="form-container">

<h2>Registration Form</h2>

<form onsubmit="return validateForm();">

<label>First Name:</label>

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

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

<label>Last Name:</label>

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

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

<label>Organization:</label>

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

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

<label>Hobbies:</label>

<input type="text" id="hobbies" placeholder="e.g., Reading, Sports">

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

<button class="btn" type="submit">Submit</button>

</form>

<div id="output"></div>

</div>

<script>

function validateForm() {

let valid = true;

// Clear previous errors

document.getElementById("fnameError").innerText = "";

document.getElementById("lnameError").innerText = "";

document.getElementById("orgError").innerText = "";

document.getElementById("hobbyError").innerText = "";

const fname = document.getElementById("fname").value.trim();

const lname = document.getElementById("lname").value.trim();

const org = document.getElementById("org").value.trim();

const hobbies = document.getElementById("hobbies").value.trim();

if (fname === "") {

document.getElementById("fnameError").innerText = "First name is required.";

valid = false;

}

if (lname === "") {

document.getElementById("lnameError").innerText = "Last name is required.";

valid = false;

}

if (org === "") {

document.getElementById("orgError").innerText = "Organization name is required.";

valid = false;

}

if (hobbies === "") {

document.getElementById("hobbyError").innerText = "Please enter your hobbies.";

valid = false;

}

if (valid) {

const output = `

<p>First Name: ${fname}</p>

<p>Last Name: ${lname}</p>

<p>Organization: ${org}</p>

<p>Hobbies: ${hobbies}</p>

`;

document.getElementById("output").innerHTML = output;

}

return false; // Prevent actual form submission

}

</script>

</body>

</html>

**17. Create a image gallery using Html ,CSS/Bootstrap**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Image Gallery</title>

<link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">

<style>

.gallery img {

width: 100%;

height: auto;

border-radius: 8px;

}

.gallery .col-md-4 {

padding: 10px;

}

body{

background: linear-gradient(to right, lightblue, lightgreen);

}

.col-md-4:hover img {

transform: scale(1.05);

transition: transform 0.3s ease;

}

</style>

</head>

<body>

<div class="container">

<h2 class="text-center my-5">Image Gallery</h2>

<div class="row gallery">

<div class="col-md-4">

<img src="sofa1.jpeg" alt="Image 1" class="img-fluid">

</div>

<div class="col-md-4">

<img src="sofa2.jpeg" alt="Image 2" class="img-fluid">

</div>

<div class="col-md-4">

<img src="sofa3.jpeg" alt="Image 3" class="img-fluid">

</div>

</div>

</div>

</body>

</html>

**18. Create a page and add video in the page.**

<!DOCTYPE html>

<html>

<head>

<title>Video Page</title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

background-color: #f9f9f9;

padding: 40px;

}

h2 {

color: #444;

}

video {

width: 80%;

max-width: 600px;

margin-top: 20px;

border: 2px solid #ccc;

border-radius: 10px;

}

</style>

</head>

<body>

<h2>Sample Video Player</h2>

<video controls>

<source src="sample.mp4" type="video/mp4">

Your browser does not support the video tag.

</video>

</body>

</html>

**19.Create a notification popup.**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Notification Popup</title>

<style>

body {

font-family: Arial, sans-serif;

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

margin: 0;

background-color: #f4f4f9;

transition: background-color 0.5s ease;

}

.button-container {

text-align: center;

}

button {

padding: 15px 30px;

background-color: #4CAF50;

color: white;

border: none;

border-radius: 5px;

cursor: pointer;

font-size: 16px;

}

button:hover {

background-color: #45a049;

}

.notification {

background-color: #4CAF50;

color: white;

padding: 20px;

position: fixed;

bottom: 20px;

right: 20px;

border-radius: 5px;

display: none;

opacity: 0;

transition: opacity 0.5s ease;

}

</style>

</head>

<body>

<div class="button-container">

<button onclick="showNotification()">Show Notification</button>

</div>

<div class="notification" id="notification">

This is a notification message!

</div>

<script>

function showNotification() {

// Change the background color of the page

document.body.style.backgroundColor = "#e0f7fa";

// Show the notification

const notification = document.getElementById("notification");

notification.style.display = "block";

setTimeout(() => {

notification.style.opacity = 1;

}, 10);

// Hide the notification after 3 seconds

setTimeout(() => {

notification.style.opacity = 0;

setTimeout(() => {

notification.style.display = "none";

}, 500);

}, 3000);

}

</script>

</body>

</html>

**20. Create and store the cookies.**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Cookie Storage</title>

<style>

body {

font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

background: linear-gradient(to right, #83a4d4, #b6fbff);

display: flex;

flex-direction: column;

align-items: center;

justify-content: center;

height: 100vh;

margin: 0;

animation: fadeIn 2s ease-in;

}

h2 {

color: #fff;

font-size: 2em;

margin-bottom: 20px;

}

input[type="text"] {

padding: 10px 15px;

font-size: 1em;

border: none;

border-radius: 8px;

margin-right: 10px;

transition: box-shadow 0.3s ease;

}

input[type="text"]:focus {

outline: none;

box-shadow: 0 0 10px #00bcd4;

}

button {

padding: 10px 20px;

font-size: 1em;

border: none;

border-radius: 8px;

background-color: #00796b;

color: white;

cursor: pointer;

transition: background-color 0.3s ease, transform 0.2s ease;

}

button:hover {

background-color: #004d40;

transform: scale(1.05);

}

h3 {

margin-top: 30px;

color: #fff;

font-size: 1.5em;

opacity: 0;

animation: fadeInUp 1s ease forwards;

animation-delay: 1s;

}

span#cookieValue {

color: #ffeb3b;

font-weight: bold;

}

@keyframes fadeIn {

from { opacity: 0; }

to { opacity: 1; }

}

@keyframes fadeInUp {

from {

transform: translateY(20px);

opacity: 0;

}

to {

transform: translateY(0);

opacity: 1;

}

}

</style>

</head>

<body>

<h2>Set and Get Cookies</h2>

<div>

<input type="text" id="cookieName" placeholder="Enter your name" />

<button onclick="setCookie()">Set Cookie</button>

</div>

<h3>Stored Cookie: <span id="cookieValue"></span></h3>

<script>

function setCookie() {

const name = document.getElementById("cookieName").value;

document.cookie = `username=${name}; path=/`;

getCookie();

}

function getCookie() {

const cookies = document.cookie.split('; ');

let username = '';

cookies.forEach(cookie => {

const [key, value] = cookie.split('=');

if (key === 'username') {

username = value;

}

});

document.getElementById("cookieValue").innerText = username;

}

// Display cookie value when the page loads

window.onload = getCookie;

</script>

</body>

</html>

**24.Develop a ecommerce platform Ubercart using PHP.**

**-**- Create the eCommerce database

CREATE DATABASE ecommerce;

-- Use the eCommerce database

USE ecommerce;

-- Table for storing product details

CREATE TABLE products (

id INT AUTO\_INCREMENT PRIMARY KEY, -- Auto-increment ID for each product

name VARCHAR(100) NOT NULL, -- Product name

description TEXT NOT NULL, -- Product description

price DECIMAL(10,2) NOT NULL, -- Product price

image VARCHAR(255) NOT NULL -- Image file name for the product

);

-- Table for storing cart items

CREATE TABLE cart (

id INT AUTO\_INCREMENT PRIMARY KEY, -- Auto-increment ID for each cart item

product\_id INT NOT NULL, -- Product ID that was added to the cart

quantity INT NOT NULL, -- Quantity of the product added to the cart

FOREIGN KEY (product\_id) REFERENCES products(id) ON DELETE CASCADE -- Foreign key constraint

);

-- Insert some sample products into the products table

INSERT INTO products (name, description, price, image)

VALUES

('Laptop', 'A high-performance laptop', 999.99, 'laptop.jpg'),

('Smartphone', 'Latest model smartphone', 499.99, 'smartphone.jpg'),

('Headphones', 'Noise-canceling headphones', 199.99, 'headphones.jpg'),

('Watch', 'Stylish wristwatch', 149.99, 'watch.jpg');

<?php

// Database connection

$servername = "localhost";

$username = "root"; // Your MySQL username

$password = ""; // Your MySQL password

$dbname = "ecommerce";

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

// Check connection

if ($conn->connect\_error) {

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

}

// Add to cart functionality

if (isset($\_GET['action']) && $\_GET['action'] == 'add') {

$product\_id = $\_GET['id'];

$quantity = $\_GET['quantity'] ?? 1; // Default quantity of 1 if not specified

// Insert the product into the cart table

$sql = "INSERT INTO cart (product\_id, quantity) VALUES ($product\_id, $quantity)";

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

echo "Product added to cart!";

} else {

echo "Error: " . $conn->error;

}

}

// Remove item from cart

if (isset($\_GET['action']) && $\_GET['action'] == 'remove') {

$cart\_id = $\_GET['id'];

$sql\_remove = "DELETE FROM cart WHERE id = $cart\_id";

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

echo "Item removed from cart!";

} else {

echo "Error: " . $conn->error;

}

}

// Get all products from the database

$sql = "SELECT \* FROM products";

$result = $conn->query($sql);

// View Cart functionality

if (isset($\_GET['action']) && $\_GET['action'] == 'viewCart') {

// Fetch all cart items

$sql\_cart = "SELECT cart.id, products.name, products.price, cart.quantity

FROM cart

JOIN products ON cart.product\_id = products.id";

$cart\_result = $conn->query($sql\_cart);

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>eCommerce Platform</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

background-color: #f4f4f4;

}

header {

background-color: #333;

color: #fff;

text-align: center;

padding: 10px 0;

}

h1 {

margin: 0;

}

.cart {

position: absolute;

top: 10px;

right: 10px;

}

.cart a {

color: white;

text-decoration: none;

background-color: #f39c12;

padding: 10px;

border-radius: 5px;

}

.cart a:hover {

background-color: #e67e22;

}

.product-list {

display: flex;

flex-wrap: wrap;

justify-content: center;

margin: 20px;

}

.product {

background-color: #fff;

border-radius: 5px;

box-shadow: 0 2px 10px rgba(0,0,0,0.1);

margin: 10px;

padding: 20px;

width: 200px;

text-align: center;

transition: transform 0.3s ease;

}

.product:hover {

transform: scale(1.05);

}

.product img {

width: 100%;

height: auto;

border-radius: 5px;

}

.product h3 {

font-size: 18px;

margin: 10px 0;

}

.product p {

font-size: 14px;

margin: 5px 0;

}

.add-to-cart {

text-decoration: none;

background-color: #27ae60;

color: white;

padding: 10px;

border-radius: 5px;

display: inline-block;

}

.add-to-cart:hover {

background-color: #2ecc71;

}

.cart-list {

margin: 20px;

padding: 20px;

}

.cart-item {

padding: 10px;

border-bottom: 1px solid #ccc;

}

footer {

background-color: #333;

color: white;

text-align: center;

padding: 10px 0;

position: fixed;

bottom: 0;

width: 100%;

}

.checkout {

background-color: #f39c12;

padding: 10px;

color: white;

text-decoration: none;

border-radius: 5px;

}

.checkout:hover {

background-color: #e67e22;

}

.quantity {

width: 50px;

}

</style>

</head>

<body>

<header>

<h1>Welcome to Our eCommerce Store</h1>

<div class="cart">

<a href="?action=viewCart">View Cart</a>

</div>

</header>

<?php if (!isset($\_GET['action']) || $\_GET['action'] != 'viewCart'): ?>

<section class="product-list">

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

<div class="product">

<img src="images/<?php echo $row['image']; ?>" alt="<?php echo $row['name']; ?>">

<h3><?php echo $row['name']; ?></h3>

<p><?php echo $row['description']; ?></p>

<p>Price: $<?php echo number\_format($row['price'], 2); ?></p>

<form action="" method="GET">

<input type="hidden" name="action" value="add">

<input type="hidden" name="id" value="<?php echo $row['id']; ?>">

<input type="number" name="quantity" value="1" class="quantity" min="1">

<button type="submit" class="add-to-cart">Add to Cart</button>

</form>

</div>

<?php } ?>

</section>

<?php else: ?>

<section class="cart-list">

<h2>Your Shopping Cart</h2>

<?php while($row = $cart\_result->fetch\_assoc()) { ?>

<div class="cart-item">

<h3><?php echo $row['name']; ?></h3>

<p>Price: $<?php echo number\_format($row['price'], 2); ?></p>

<p>Quantity: <?php echo $row['quantity']; ?></p>

<p>Total: $<?php echo number\_format($row['price'] \* $row['quantity'], 2); ?></p>

<a href="?action=remove&id=<?php echo $row['id']; ?>" class="add-to-cart" style="background-color: #e74c3c;">Remove</a>

</div>

<?php } ?>

<p><a href="index.php" class="checkout">Proceed to Checkout</a></p>

</section>

<?php endif; ?>

</body>

</html>

<?php

$conn->close();

?>

**25.Build a grocery store application using PHP and MySQL**

CREATE DATABASE grocery\_store;

USE grocery\_store;

-- Create a table to store products

CREATE TABLE products (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100),

description TEXT,

price DECIMAL(10, 2),

image VARCHAR(255)

);

-- Create a table to store orders (basic checkout details)

CREATE TABLE orders (

id INT AUTO\_INCREMENT PRIMARY KEY,

total DECIMAL(10, 2),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

-- Create a table to store order items (products in the cart)

CREATE TABLE order\_items (

id INT AUTO\_INCREMENT PRIMARY KEY,

order\_id INT,

product\_id INT,

quantity INT,

FOREIGN KEY(order\_id) REFERENCES orders(id),

FOREIGN KEY(product\_id) REFERENCES products(id)

);

Db.php

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "grocery\_store";

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

if ($conn->connect\_error) {

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

}

?>

Index.php

<?php

include('db.php');

$sql = "SELECT \* FROM products";

$result = $conn->query($sql);

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Grocery Store</title>

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

</head>

<body>

<h1>Welcome to the Grocery Store</h1>

<?php while($product = $result->fetch\_assoc()) { ?>

<div class="product">

<img src="<?php echo $product['image']; ?>" alt="<?php echo $product['name']; ?>">

<h2><?php echo $product['name']; ?></h2>

<p><?php echo $product['description']; ?></p>

<p>Price: $<?php echo $product['price']; ?></p>

<form action="cart.php" method="POST">

<input type="hidden" name="product\_id" value="<?php echo $product['id']; ?>">

<button type="submit">Add to Cart</button>

</form>

</div>

<?php } ?>

</body>

</html>

<?php

$conn->close();

?>

Cart.php

<?php

session\_start();

include('db.php');

// If cart doesn't exist, create an empty array

if (!isset($\_SESSION['cart'])) {

$\_SESSION['cart'] = [];

}

// Check if a product is added to the cart

if (isset($\_POST['product\_id'])) {

$product\_id = $\_POST['product\_id'];

// Get product details from the database

$sql = "SELECT \* FROM products WHERE id = $product\_id";

$result = $conn->query($sql);

$product = $result->fetch\_assoc();

// Add the product to the cart

$\_SESSION['cart'][] = [

'product\_id' => $product['id'],

'name' => $product['name'],

'price' => $product['price'],

'quantity' => 1

];

}

header("Location: view\_cart.php"); // Redirect to view the cart

?>

View\_cart.php

<?php

session\_start();

include('db.php');

if (isset($\_SESSION['cart']) && count($\_SESSION['cart']) > 0) {

$total = 0;

echo "<h2>Your Cart</h2><ul>";

foreach ($\_SESSION['cart'] as $item) {

echo "<li>" . $item['name'] . " - $" . $item['price'] . " x " . $item['quantity'] . "</li>";

$total += $item['price'] \* $item['quantity'];

}

echo "</ul>";

echo "<p>Total: $$total</p>";

echo "<form action='checkout.php' method='POST'>

<button type='submit'>Proceed to Checkout</button>

</form>";

} else {

echo "<p>Your cart is empty.</p>";

}

?>

Checkout.php

<?php

session\_start();

include('db.php');

// If the cart is empty, redirect to the homepage

if (empty($\_SESSION['cart'])) {

header("Location: index.php");

exit;

}

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

// Calculate total amount

$total = 0;

foreach ($\_SESSION['cart'] as $item) {

$total += $item['price'] \* $item['quantity'];

}

// Insert the order into the orders table

$sql = "INSERT INTO orders (total) VALUES ('$total')";

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

$order\_id = $conn->insert\_id; // Get the last inserted order ID

// Insert each product in the cart into the order\_items table

foreach ($\_SESSION['cart'] as $item) {

$sql = "INSERT INTO order\_items (order\_id, product\_id, quantity) VALUES ('$order\_id', '{$item['product\_id']}', '{$item['quantity']}')";

$conn->query($sql);

}

// Clear the cart

unset($\_SESSION['cart']);

echo "<p>Order placed successfully! Your total is $$total.</p>";

}

}

?>

Style.css

body {

font-family: Arial, sans-serif;

background-color: #f9f9f9;

padding: 20px;

margin: 0;

}

h1 {

text-align: center;

}

.product {

display: inline-block;

width: 200px;

text-align: center;

margin: 20px;

padding: 10px;

border: 1px solid #ddd;

border-radius: 5px;

background-color: #fff;

}

.product img {

width: 100%;

height: auto;

margin-bottom: 10px;

}

button {

padding: 10px;

background-color: #4CAF50;

color: white;

border: none;

cursor: pointer;

}

button:hover {

background-color: #45a049;

}

ul {

list-style-type: none;

}

form {

text-align: center;

}

**26.Build a facebook website using PHP and MySQL.**

CREATE DATABASE facebook\_min;

USE facebook\_min;

-- Table to store users

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) UNIQUE NOT NULL,

password VARCHAR(255) NOT NULL,

email VARCHAR(100) UNIQUE NOT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

-- Table to store posts

CREATE TABLE posts (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT NOT NULL,

content TEXT,

image VARCHAR(255),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (user\_id) REFERENCES users(id)

);

2. Database Connection – db.php

php

Copy

Edit

<?php

// db.php

$host = 'localhost';

$user = 'root';

$password = '';

$dbname = 'facebook\_min';

$conn = mysqli\_connect($host, $user, $password, $dbname);

if (!$conn) {

die("Database Connection Error: " . mysqli\_connect\_error());

}

?>

3. User Registration – register.php

php

Copy

Edit

<?php

// register.php

include 'db.php';

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

$username = mysqli\_real\_escape\_string($conn, trim($\_POST['username']));

$email = mysqli\_real\_escape\_string($conn, trim($\_POST['email']));

$password = password\_hash($\_POST['password'], PASSWORD\_DEFAULT);

$query = "INSERT INTO users (username, email, password) VALUES ('$username', '$email', '$password')";

if (mysqli\_query($conn, $query)) {

header("Location: login.php");

} else {

$error = "Registration Error: " . mysqli\_error($conn);

}

}

?>

<!DOCTYPE html>

<html>

<head>

<title>Register</title>

<link rel="stylesheet"

href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">

</head>

<body class="bg-light">

<div class="container mt-5">

<h2 class="text-center">Sign Up</h2>

<?php if(isset($error)) { echo "<div class='alert alert-danger'>$error</div>"; } ?>

<form method="post" action="" class="w-50 mx-auto">

<div class="mb-3">

<label>Username</label>

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

</div>

<div class="mb-3">

<label>Email</label>

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

</div>

<div class="mb-3">

<label>Password (min. 6 characters)</label>

<input type="password" name="password" class="form-control" required minlength="6">

</div>

<button type="submit" class="btn btn-primary w-100">Register</button>

<div class="text-center mt-2">

Already have an account? <a href="login.php">Login here</a>

</div>

</form>

</div>

</body>

</html>

4. User Login – login.php

php

Copy

Edit

<?php

// login.php

session\_start();

include 'db.php';

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

$username = mysqli\_real\_escape\_string($conn, trim($\_POST['username']));

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

$query = "SELECT \* FROM users WHERE username = '$username'";

$result = mysqli\_query($conn, $query);

if ($result && mysqli\_num\_rows($result) > 0) {

$user = mysqli\_fetch\_assoc($result);

if (password\_verify($password, $user['password'])) {

$\_SESSION['user\_id'] = $user['id'];

$\_SESSION['username'] = $user['username'];

// Optionally set a cookie (valid for 7 days)

setcookie("user", $user['username'], time() + (7 \* 24 \* 60 \* 60));

header("Location: home.php");

exit();

} else {

$error = "Incorrect password.";

}

} else {

$error = "User not found.";

}

}

?>

<!DOCTYPE html>

<html>

<head>

<title>Login</title>

<link rel="stylesheet"

href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">

</head>

<body class="bg-light">

<div class="container mt-5">

<h2 class="text-center">Login</h2>

<?php if(isset($error)) { echo "<div class='alert alert-danger'>$error</div>"; } ?>

<form method="post" class="w-50 mx-auto">

<div class="mb-3">

<label>Username</label>

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

</div>

<div class="mb-3">

<label>Password</label>

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

</div>

<button type="submit" class="btn btn-primary w-100">Login</button>

<div class="text-center mt-2">

Don't have an account? <a href="register.php">Sign up here</a>

</div>

</form>

</div>

</body>

</html>

5. Home / News Feed – home.php

<?php

// home.php

session\_start();

if (!isset($\_SESSION['user\_id'])) {

header("Location: login.php");

exit();

}

include 'db.php';

// Process new post submission

if ($\_SERVER["REQUEST\_METHOD"] == "POST" && isset($\_POST['content'])) {

$content = mysqli\_real\_escape\_string($conn, trim($\_POST['content']));

$user\_id = $\_SESSION['user\_id'];

$image = '';

// Handle image upload if provided

if (isset($\_FILES['image']) && $\_FILES['image']['error'] == 0) {

$target\_dir = "uploads/";

if (!file\_exists($target\_dir)) {

mkdir($target\_dir, 0777, true);

}

$target\_file = $target\_dir . basename($\_FILES["image"]["name"]);

move\_uploaded\_file($\_FILES["image"]["tmp\_name"], $target\_file);

$image = $target\_file;

}

$sql = "INSERT INTO posts (user\_id, content, image) VALUES ($user\_id, '$content', '$image')";

mysqli\_query($conn, $sql);

}

// Fetch posts (latest first)

$result = mysqli\_query($conn, "SELECT p.\*, u.username FROM posts p JOIN users u ON p.user\_id = u.id ORDER BY p.created\_at DESC");

?>

<!DOCTYPE html>

<html>

<head>

<title>Home - News Feed</title>

<link rel="stylesheet"

href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">

<style>

.post {

border: 1px solid #ddd;

padding: 15px;

margin-bottom: 15px;

border-radius: 8px;

background: #fff;

}

.post img {

max-width: 100%;

height: auto;

margin-top: 10px;

border-radius: 5px;

}

</style>

</head>

<body class="bg-light">

<div class="container mt-4">

<div class="d-flex justify-content-between mb-3">

<h2>News Feed</h2>

<div>

<span>Welcome, <?php echo $\_SESSION['username']; ?></span>

<a href="profile.php" class="btn btn-sm btn-secondary">Profile</a>

<a href="logout.php" class="btn btn-sm btn-danger">Logout</a>

</div>

</div>

<!-- Post Form -->

<div class="card mb-4">

<div class="card-body">

<form method="post" enctype="multipart/form-data">

<div class="mb-3">

<textarea name="content" class="form-control" placeholder="What's on your mind?" rows="3" required></textarea>

</div>

<div class="mb-3">

<input type="file" name="image" class="form-control">

</div>

<button type="submit" class="btn btn-primary">Post</button>

</form>

</div>

</div>

<!-- Posts Listing -->

<?php while($post = mysqli\_fetch\_assoc($result)) { ?>

<div class="post">

<p><strong><?php echo $post['username']; ?></strong> <small><?php echo $post['created\_at']; ?></small></p>

<p><?php echo $post['content']; ?></p>

<?php if ($post['image'] != '') { ?>

<img src="<?php echo $post['image']; ?>" alt="Post Image">

<?php } ?>

</div>

<?php } ?>

</div>

</body>

</html>

6. Basic Profile Page – profile.php

php

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<?php

// profile.php

session\_start();

if (!isset($\_SESSION['user\_id'])) {

header("Location: login.php");

exit();

}

include 'db.php';

$user\_id = $\_SESSION['user\_id'];

$result = mysqli\_query($conn, "SELECT \* FROM users WHERE id = $user\_id");

$user = mysqli\_fetch\_assoc($result);

?>

<!DOCTYPE html>

<html>

<head>

<title>Profile</title>

<link rel="stylesheet"

href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">

</head>

<body class="bg-light">

<div class="container mt-5">

<h2>Your Profile</h2>

<div class="card p-3">

<p><strong>Username:</strong> <?php echo $user['username']; ?></p>

<p><strong>Email:</strong> <?php echo $user['email']; ?></p>

<p><strong>Member Since:</strong> <?php echo $user['created\_at']; ?></p>

<a href="home.php" class="btn btn-primary">Back to Feed</a>

<a href="logout.php" class="btn btn-danger">Logout</a>

</div>

</div>

</body>

</html>

7. Logout – logout.php

php

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<?php

session\_start();

session\_unset();

session\_destroy();

setcookie("user", "", time() - 3600);

header("Location: login.php");

exit();

?>

**27.Create a database with user information and books information and create**

**a webpage in which books catalogue should be dynamically loaded from**

**the database.**

**28.Develop email verification application using PHP.**

<?php

// Database connection

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "email\_verification";

// Create connection

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

// Check connection

if ($conn->connect\_error) {

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

}

// Handle registration form submission

if ($\_SERVER['REQUEST\_METHOD'] == 'POST' && isset($\_POST['name']) && isset($\_POST['email'])) {

// Get form data

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

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

// Generate verification code

$verification\_code = md5(uniqid("email\_verification\_", true));

// Insert user into the database

$stmt = $conn->prepare("INSERT INTO users (name, email, verification\_code) VALUES (?, ?, ?)");

$stmt->bind\_param("sss", $name, $email, $verification\_code);

if ($stmt->execute()) {

// Send verification email

$to = $email;

$subject = "Email Verification";

$message = "Click the link to verify your email:

http://localhost/verify\_email.php?code=" . $verification\_code;

$headers = "From: no-reply@example.com";

if (mail($to, $subject, $message, $headers)) {

echo "Registration successful! Please check your email to verify your account.";

} else {

echo "Failed to send verification email.";

}

} else {

echo "Error: " . $stmt->error;

}

$stmt->close();

}

// Handle email verification

if (isset($\_GET['code'])) {

// Get verification code from the URL

$verification\_code = $\_GET['code'];

// Check if the code exists in the database

$stmt = $conn->prepare("SELECT \* FROM users WHERE verification\_code = ?");

$stmt->bind\_param("s", $verification\_code);

$stmt->execute();

$result = $stmt->get\_result();

if ($result->num\_rows > 0) {

// Verify the user

$user = $result->fetch\_assoc();

if (!$user['email\_verified']) {

// Update user status to verified

$stmt\_update = $conn->prepare("UPDATE users SET email\_verified = 1 WHERE verification\_code = ?");

$stmt\_update->bind\_param("s", $verification\_code);

if ($stmt\_update->execute()) {

echo "Your email has been successfully verified!";

} else {

echo "Error verifying email.";

}

} else {

echo "Your email is already verified.";

}

} else {

echo "Invalid verification link.";

}

$stmt->close();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Email Verification</title>

</head>

<body>

<h2>User Registration</h2>

<form action="" method="POST">

<input type="text" name="name" placeholder="Enter your name" required>

<input type="email" name="email" placeholder="Enter your email" required>

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

</form>

</body>

</html>

**29.Develop Web application which makes use of PHP programming**

<?php

// Database connection

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "task\_manager";

// Create connection

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

// Check connection

if ($conn->connect\_error) {

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

}

// Add Task

if (isset($\_POST['add\_task'])) {

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

// Insert task into database

$stmt = $conn->prepare("INSERT INTO tasks (task\_name) VALUES (?)");

$stmt->bind\_param("s", $task\_name);

if ($stmt->execute()) {

echo "Task added successfully!";

} else {

echo "Error adding task: " . $stmt->error;

}

$stmt->close();

}

// Mark Task as Completed

if (isset($\_GET['mark\_completed'])) {

$task\_id = $\_GET['mark\_completed'];

// Update task status to 'completed'

$stmt = $conn->prepare("UPDATE tasks SET status = 'completed' WHERE task\_id = ?");

$stmt->bind\_param("i", $task\_id);

$stmt->execute();

$stmt->close();

}

// Delete Task

if (isset($\_GET['delete\_task'])) {

$task\_id = $\_GET['delete\_task'];

// Delete task from database

$stmt = $conn->prepare("DELETE FROM tasks WHERE task\_id = ?");

$stmt->bind\_param("i", $task\_id);

if ($stmt->execute()) {

echo "Task deleted successfully!";

} else {

echo "Error deleting task: " . $stmt->error;

}

$stmt->close();

}

// Get all tasks

$sql = "SELECT \* FROM tasks";

$result = $conn->query($sql);

// Close the connection

$conn->close();

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Task Manager</title>

<style>

body {

font-family: Arial, sans-serif;

}

.task {

border: 1px solid #ccc;

padding: 10px;

margin-bottom: 10px;

}

.completed {

text-decoration: line-through;

color: gray;

}

.actions a {

margin-right: 10px;

text-decoration: none;

color: blue;

}

.actions a.delete {

color: red;

}

</style>

</head>

<body>

<h1>Task Manager</h1>

<!-- Add Task Form -->

<form action="" method="POST">

<input type="text" name="task\_name" placeholder="Enter task" required>

<button type="submit" name="add\_task">Add Task</button>

</form>

<h2>Tasks</h2>

<?php

// Display tasks

if ($result->num\_rows > 0) {

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

echo "<div class='task'>";

echo "<span class='" . ($row['status'] == 'completed' ? 'completed' : '') . "'>" . $row['task\_name'] . "</span>";

echo "<div class='actions'>";

if ($row['status'] == 'pending') {

echo "<a href='?mark\_completed=" . $row['task\_id'] . "'>Mark as Completed</a>";

}

echo "<a href='?delete\_task=" . $row['task\_id'] . "' class='delete'>Delete</a>";

echo "</div>";

echo "</div>";

}

} else {

echo "<p>No tasks available.</p>";

}

?>

</body>

</html>

CREATE DATABASE task\_manager;

USE task\_manager;

CREATE TABLE tasks (

task\_id INT AUTO\_INCREMENT PRIMARY KEY,

task\_name VARCHAR(255) NOT NULL,

status ENUM('pending', 'completed') DEFAULT 'pending'

);

**33.Install Ruby Environment Setup and Write a Ruby program which accept**

**the user's first and last name and print them in reverse order with a space**

**between them.**

Sudo apt update

Sudo apt install ruby-full

Sudo su

Gem install sinatra

app.rb

require 'sinatra'

get '/' do

erb :form

end

post '/submit' do

first = params[:first\_name]

last = params[:last\_name]

@reversed\_name = "#{last} #{first}"

erb :result

end

Form.erb

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

<label>First Name:</label>

<input type="text" name="first\_name" required><br><br>

<label>Last Name:</label>

<input type="text" name="last\_name" required><br><br>

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

</form>

result.erb

<h2>Reversed Name:</h2>

<p><%= @reversed\_name %></p>

<a href="/">Go back</a>

**34.Write a Ruby Script to send an Email to a specific User.**

**Steps  
gem install mail**

require 'mail'

Mail.defaults do

delivery\_method :smtp, {

address: "smtp.gmail.com",

port: 587,

domain: "yourdomain.com",

user\_name: "irfantadvi448@gmail.com",

password: "wjwyagxkpmdqmmgf",

authentication: 'plain',

enable\_starttls\_auto: true

}

end

mail = Mail.new do

from 'irfantadvi448@gmail.com'

to 'it6766150@gmail.com'

subject 'Hello from Ruby'

body 'This is a test email sent using Ruby!'

end

mail.deliver!