1.Restaurent:

```html
<!DOCTYPE html>
<html>
<head>
 <title>Delicious Restaurant</title>
 <style>
  body {
   font-family: Arial;
   background-color: #fff7e6;
   text-align: center;
  }
  h2 {
   color: #e67300;
  }
  img {
   border-radius: 10px;
   box-shadow: 0 0 10px #aaa;
  }
 </style>
</head>
<body>
 <h2> 🍕 Welcome to Delicious Restaurant 🍔 </h2>
 <p>Click on your favorite combo to view the offer!</p>

 <img src="food.jpg" usemap="#offers" width="400" height="300" alt="Food Menu">
 <map name="offers">
  <area shape="rect" coords="10,10,120,120" alt="Pizza Combo"
      onclick="alert('Pizza Combo - ₹299 Only!')">
  <area shape="rect" coords="150,10,270,120" alt="Burger Combo"
      onclick="alert('Burger Combo - ₹199 Only!')">
 </map>
</body>
</html>
```

1. college website

```html
<!DOCTYPE html>
<html>
<head>
 <title>College Website</title>

 <!-- ✅ External Style Sheet -->
 <link rel="stylesheet" href="style.css">
 <!-- ✅ Embedded (Internal) Style Sheet -->
 <style>
  body {
   background-color: lightgrey;
   text-align: center;
  }
  h1 {
   color: darkblue;
  }
```

```html
    </style>
</head>
<body>
 <h1>GCE Dharmapuri</h1>
 <p>Welcome to our college website!</p>
 <!-- ✅ Inline Style Sheet -->
 <h2 style="color: green;">Department of Computer Science</h2>
 <h2 style="color: green;">Department of ECE</h2>
 <h2 style="color: green;">Department of EEE</h2>
 <h2 style="color: green;">Department of Civil</h2>
 <h2 style="color: green;">Department of Mechanical</h2>
 <footer>
   <p>© 2025 GCE Dharmapuri</p>
 </footer>
</body>
</html>
```

2.digital library

index.html

```html
<!DOCTYPE html>

<html>

<head><title>Digital Library Login</title></head>

<body>

<h2>Digital Library Login</h2>

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

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

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

<input type="hidden" name="session_count" value="0">

<input type="submit" value="Login / Proceed">

</form>

</body>

</html>
```

libraryServlet.java

```java
package com.example;

import java.io.*; import javax.servlet.*; import javax.servlet.http.*;

public class LibraryServlet extends HttpServlet {

 protected void doPost(HttpServletRequest req, HttpServletResponse res)

 throws ServletException, IOException {

   res.setContentType("text/html");
```

```java
    PrintWriter out = res.getWriter();

    String user = req.getParameter("username");

    int count = Integer.parseInt(req.getParameter("session_count")) + 1;

    out.println("<html><body><h2>Welcome, " + user + "!</h2>");

    out.println("<p>You visited this page " + count + " time(s).</p>");

    out.println("<form action='Library' method='post'>");

    out.println("<input type='hidden' name='username' value='" + user + "'>");

    out.println("<input type='hidden' name='session_count' value='" + count + "'>");

    out.println("<input type='submit' value='Continue'></form></body></html>");

  }}
```

Web.xml

```xml
<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee" version="4.0">

 <servlet>

  <servlet-name>LibraryServlet</servlet-name>

  <servlet-class>com.example.LibraryServlet</servlet-class>

 </servlet>

 <servlet-mapping>

  <servlet-name>LibraryServlet</servlet-name>

  <url-pattern>/Library</url-pattern>

 </servlet-mapping>

</web-app>
```

3.University

Marklist.jsp

```jsp
<%@ page import="java.sql.*" %>

<!DOCTYPE html>

<html>

<head>

 <meta charset="UTF-8">

 <title>University Exam Results</title>

 <style>

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

  table { border-collapse: collapse; width: 60%; }

  th, td { border: 1px solid #aaa; padding: 8px; text-align: left; }
```

```
    th { background: #f2f2f2; color: #333; }
  </style>
</head>
<body>
  <h2>Online Examination - Student Mark List</h2>
  <table>
   <tr>
    <th>ID</th><th>Name</th><th>Sub 1</th><th>Sub 2</th><th>Total</th>
   </tr>
   <%
    String url = "jdbc:mysql://localhost:3306/universitydb";
    String user = "root", pass = "root";
    try {
     Class.forName("com.mysql.cj.jdbc.Driver");
     Connection con = DriverManager.getConnection(url, user, pass);
     Statement st = con.createStatement();
     ResultSet rs = st.executeQuery("SELECT * FROM students ORDER BY total_marks DESC");
     while (rs.next()) {
  %>
   <tr>
    <td><%= rs.getString(1) %></td>
    <td><%= rs.getString(2) %></td>
    <td><%= rs.getInt(3) %></td>
    <td><%= rs.getInt(4) %></td>
    <td><%= rs.getInt(5) %></td>
   </tr>
   <%
     }
     con.close();
    } catch (Exception e) {
     out.println("<tr><td colspan='5'>Error: " + e.getMessage() + "</td></tr>");
    }
  %>
```

```html
  </table>
</body>
</html>
```

Sql commands

```sql
-- 1 Create the database
CREATE DATABASE universitydb;
-- 2 Use the database
USE universitydb;
-- 3 Create the table
CREATE TABLE students (
  student_id VARCHAR(10) PRIMARY KEY,
  student_name VARCHAR(100) NOT NULL,
  subject1_marks INT,
  subject2_marks INT,
  total_marks INT
);
-- 4 Insert sample data
INSERT INTO students (student_id, student_name, subject1_marks, subject2_marks, total_marks) VALUES
('S1001', 'Alice Johnson', 85, 92, 177),('S1002', 'Bob Williams', 78, 88, 166),('S1003', 'Charlie Brown', 95, 80, 175),
('S1004', 'David Miller', 70, 75, 145),('S1005', 'Emma Davis', 90, 93, 183);
```

SELECT * FROM students;

Connection :

```java
String url="jdbc:mysql://localhost:3306/universitydb";
String user="root";
String pass="root";
```

4. India map

Indiamap.html

```html
<!DOCTYPE html>
<html>
  <head>
    <title>Hotspot Creation</title>
```

```html
    <meta charset="UTF 8">
    <meta name="viewport" content="width=devide-width,initial-scale=1.0">
  </head>
  <body>
    <h2 align="center">Click on the map to know about places</h2>
    <img src="indiamap.png" alt="India map" usemap="#places">
    <map name="places">
      <area shape="'rect" coords="329,965,389,989" title="Tamil Nadu" alt="Tamil Nadu" href="tamilnadu.html">
      <area shape="'rect" coords="333,325,415,351" title="Delhi" alt="Delhi" href="Delhi.html">
      <area shape="'rect" coords="645,547,719,593"itle="Calcutta" alt="Calcutta" href="Calcutta.html">
    </map>
  </body>
</html>
```

Tamilnadu.html

```html
<!DOCTYPE html>
<html>
  <head>
    <title>Tamil Nadu</title>
  </head>
  <body bgcolor="skyblue">
    <font face="Times New Roman" size="5" color="Black">
      <center>
        <h2>Chennai is the capital of TamilNadu</h2>
        <p>Many IT companies are located  in chennai</p>
      </center>
      <br>
      <a href="IndiaMap.html">Home</a>
    </font>
  </body>
</html>
```

Delhi.html

```html
<!DOCTYPE html>
```

```html
<html>
  <head>
    <title>Delhi</title>
  </head>
  <body bgcolor="skyblue">
    <font face="Arial" size="5" color="Black">
      <center>
        <h2>Delhi is the capital of India</h2>
        <p>Many IT companies are located in Delhi</p>
      </center>
      <br>
      <a href="IndiaMap.html">Home</a>
    </font>
  </body>
</html>
```

Calcutta.html

```html
<!DOCTYPE html>
<html>
  <head>
    <title>Calcutta</title>
  </head>
  <body bgcolor="skyblue">
    <font face="Times New Roman" size="5" color="Black">
      <center>
        <h2>Calcutta is the capital of West Bengal</h2>
        <p>It is a wealthy city and is famous for the Sundarban Forests</p>
      </center>
      <br>
      <a href="IndiaMap.html">Home</a>
    </font>
  </body>
</html>
```

5. Online banking application

Bank.html

```html
<!DOCTYPE html><html>

<head>

  <title>Bank Validation</title>

  <style>

    body { font-family: sans-serif; margin: 10px; }

    div { border: 1px solid #ccc; padding: 10px; margin-bottom: 15px; }

    label { display: block; margin-top: 5px; }

  </style>

</head>

<body>

  <div><h2>💳 Register</h2>

    <form onsubmit="return validateRegistration()">

      <label>User (6+): <input id="regUsername" required></label>

      <label>Pass (8+, U, D): <input type="password" id="regPassword" required></label>

      <label>Email: <input type="email" id="regEmail" required></label>

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

    </form>

  </div>

  <div><h2>🔒 Login</h2>

    <form onsubmit="return validateLogin()">

      <label>User: <input id="loginUsername" required></label>

      <label>Pass: <input type="password" id="loginPassword" required></label>

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

    </form>

  </div>

  <div><h2>👤 Profile</h2>

    <form onsubmit="return validateProfile()">

      <label>Phone (10D): <input id="profilePhone" required></label>

      <label>PIN (4D): <input type="password" id="profilePin" required></label>

      <input type="submit" value="Update profile">

    </form>

  </div>
```

```
<script>
  // 1. Registration: 6+ user, 8+ pass (1 upper, 1 digit), valid email
  function validateRegistration() {
    const user = document.getElementById('regUsername').value,
      pass = document.getElementById('regPassword').value,
      email = document.getElementById('regEmail').value;
    let errors = [];
    if (user.length < 6) errors.push("User must be 6+ chars.");
    if (!/^(?=.[A-Z])(?=.\d).{8,}$/.test(pass)) errors.push("Pass needs 8+, upper, digit.");
    if (!/^[^\s@]+@[^\s@]+\.[^\s@]+$/.test(email)) errors.push("Invalid email.");
    if (errors.length > 0) {
      alert("Reg Failed:\n" + errors.join('\n'));
      return false;
    }
    alert(" registration Success! (Blocked)");
    return false;
  }
  // 2. Login: Not empty
  function validateLogin() {
    const user = document.getElementById('loginUsername').value,
      pass = document.getElementById('loginPassword').value;
    if (user.trim() === "" || pass.trim() === "") {
      alert("Login Failed: Fields empty.");
      return false;
    }
    alert("Login validated. (Blocked)");
    return false;
  }
  // 3. Profile: Phone (10 digits), PIN (4 digits)
  function validateProfile() {
    const phone = document.getElementById('profilePhone').value,
      pin = document.getElementById('profilePin').value;
    let errors = [];
```

```
      if (!/^\d{10}$/.test(phone)) errors.push("Phone must be 10 digits.");

      if (!/^\d{4}$/.test(pin)) errors.push("PIN must be 4 digits.");

      if (errors.length > 0) {

        alert("Profile Failed:\n" + errors.join('\n'));

        return false;

      }

      alert("Profile validated. (Blocked)");

      return false;

    }

  </script></body></html>
```

6.Shopping:

```
<!DOCTYPE html>

<html>

<head>

  <meta charset="UTF-8">

  <title>Minimal Catalog</title>

  <style>

    body { font-family: sans-serif; margin: 15px; }

    header { background-color: #eee; padding: 10px; text-align: center; }

    .product-card {

      border: 1px solid #ccc;

      padding: 10px;

      margin: 10px;

      display: inline-block; /* Minimal layout */

      width: 30%; /* Three cards per row (approx) */

    }

    #featured-product {

      border: 2px solid red;

      background-color: #ffdddd;

      display: block; /* Takes full width */

      width: auto;

    }

  </style>
```

```html
</head>
<body>
  <header>
    <h1>🛒 Minimal Product Catalog</h1>
  </header>
  <div id="featured-product" class="product-card">
    <h2>🔥 Featured Deal!</h2>
    <p>4K Smart TV.</p>
  </div>
  <div class="product-card">
    <h3>Headphones</h3>
    <p>Department: Electronics</p>
    <p style="color: green; font-weight: bold;">Price: $199</p>
  </div>
  <div class="product-card">
    <h3>Coffee Maker</h3>
    <p>Department: Home Goods</p>
    <p style="color: green; font-weight: bold;">Price: $79</p>
  </div>
  <div class="product-card">
    <h3>Fitness Watch</h3>
    <p>Department: Health</p>
    <p style="color: green; font-weight: bold;">Price: $45</p>
  </div>
  <footer>
    <p style="margin-top: 20px;">© 2025 Catalog.</p>
  </footer>
</body>
</html>
```

7. Tomcat and University

Login.html

```html
<!DOCTYPE html>
<html>
```

```html
<head><title>Student Login</title></head>
<body>
  <h2>Student Login</h2>
  <form action="Login" method="post">
    ID: <input type="text" name="studentId" required><br><br>
    Pass: <input type="password" name="password" required><br><br>
    <input type="submit" value="Login">
  </form>
</body>
</html>
```

loginServlet.java

```java
package com.university;
import java.io.IOException;
import javax.servlet.http.*;
import javax.servlet.ServletException;
public class LoginServlet extends HttpServlet {
  private boolean validateCredentials(String studentId, String password) {
    return "123".equals(password) && studentId != null && !studentId.isEmpty();
  }
  protected void doPost(HttpServletRequest request, HttpServletResponse response)
      throws ServletException, IOException {
    String studentId = request.getParameter("studentId");
    String password = request.getParameter("password");
    if (validateCredentials(studentId, password)) {
      // Create and add Cookie (Session tracking)
      Cookie studentCookie = new Cookie("student_id", studentId);
      studentCookie.setMaxAge(60 * 30); // 30 minutes
      response.addCookie(studentCookie);
      response.sendRedirect("dashboard.jsp"); // Redirect to content
    } else {
      response.sendRedirect("login.html?error=invalid"); // Redirect back
```

```
        }
    }
}
```

Dashboard.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8" %>
<%
    String studentId = null;
    Cookie[] cookies = request.getCookies();
    if (cookies != null) {
        for (Cookie cookie : cookies) {
            if (cookie.getName().equals("student_id")) {
                studentId = cookie.getValue();
                break;
            }
        }
    }
    if (studentId == null) {
        response.sendRedirect("login.html");
        return;
    }
    String curriculum = "CS, MA, PH";
    String examSchedule = "CS: 25-Nov, MA: 27-Nov";
    String results = "CS: A, MA: B+";
%>
<!DOCTYPE html>
<html>
<head><title>Dashboard</title></head>
<body>
    <a href="Logout">Logout</a>
    <h1>Welcome, <%= studentId %></h1>
    <h3>Curriculum</h3><p><%= curriculum %></p>
    <h3>Schedule</h3><p><%= examSchedule %></p>
    <h3>Results</h3><p><%= results %></p>
```

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```
</body>

</html>
```

logoutServlet.java

```java
package com.university;

import java.io.IOException;

import javax.servlet.http.*;

import javax.servlet.ServletException;

public class LogoutServlet extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

        Cookie studentCookie = new Cookie("student_id", "");

        studentCookie.setMaxAge(0);

        response.addCookie(studentCookie);


        response.sendRedirect("login.html?msg=loggedout");

    }

}
```

Web.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>

<web-app version="4.0" xmlns="http://xmlns.jcp.org/xml/ns/javaee">

    <servlet><servlet-name>LoginServlet</servlet-name><servlet-class>com.university.LoginServlet</servlet-class></servlet>

    <servlet-mapping><servlet-name>LoginServlet</servlet-name><url-pattern>/Login</url-pattern></servlet-mapping>

    <servlet><servlet-name>LogoutServlet</servlet-name><servlet-class>com.university.LogoutServlet</servlet-class></servlet>

    <servlet-mapping><servlet-name>LogoutServlet</servlet-name><url-pattern>/Logout</url-pattern></servlet-mapping>

</web-app>
```

8. Airway

Database

```sql
CREATE DATABASE airwaydb;

USE airwaydb;

CREATE TABLE flights (
```

```
    flight_number VARCHAR(10) PRIMARY KEY,

    origin VARCHAR(50),

    destination VARCHAR(50),

    available_seats INT,

    fare DECIMAL(10, 2)

);

INSERT INTO flights VALUES

('AI101', 'DELHI', 'MUMBAI', 50, 4500.00),

('6E505', 'MUMBAI', 'BANGALORE', 12, 3200.50),

('UK707', 'KOLKATA', 'MUMBAI', 0, 6150.00);
```

Flights.jsp

```jsp
<%@ page import="java.sql.*" %>

<html><body>

  <h2>Flight Search</h2>

  <%

    String origin = request.getParameter("origin");

    String destination = request.getParameter("destination");

  %>

   <form action="flights.jsp" method="get">

    From: <input type="text" name="origin" required value="<%= origin != null ? origin : "" %>">

    To: <input type="text" name="destination" required value="<%= destination != null ? destination : "" %>">

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

  </form>

  <% if (origin != null && !origin.isEmpty()) {

    final String DRIVER = "com.mysql.cj.jdbc.Driver";

    final String URL = "jdbc:mysql://localhost:3306/airwaydb";

    final String USER = "user";    // <--- CHANGE THIS

    final String PASS = "password"; // <--- CHANGE THIS

    Connection con = null; PreparedStatement ps = null; ResultSet rs = null;

    try {

      Class.forName(DRIVER);

      con = DriverManager.getConnection(URL, USER, PASS);
```

```jsp
        String sql = "SELECT flight_number, fare, available_seats FROM flights WHERE origin = ? AND destination = ?";

        ps = con.prepareStatement(sql);

        ps.setString(1, origin.toUpperCase());

        ps.setString(2, destination.toUpperCase());

        rs = ps.executeQuery();

%>
  <h3>Results:</h3>
  <table border="1">
    <tr><th>Flight No.</th><th>Fare (₹)</th><th>Availability</th></tr>
    <%
    boolean found = false;
    while (rs.next()) {
      found = true;
      int seats = rs.getInt("available_seats");
    %>
    <tr>
      <td><%= rs.getString("flight_number") %></td>
      <td><%= rs.getDouble("fare") %></td>
      <td><%= seats > 0 ? seats + " Available" : "Booked Out" %></td>
    </tr>

    <% }
    if (!found) { %> <tr><td colspan='3'>No flights found.</td></tr> <% } %>
  </table>
  <%
    } catch (Exception e) {
      out.println("<p style='color:red;'>DB ERROR.</p>");
    } finally {
      try { if (con != null) con.close(); } catch (Exception e) {}
    }
  } %>
</body>
```

</html>

9. Tourist places

Tourist.html

```xml
<?xml version="1.0" encoding="UTF-8"?>

<touristData>

  <place name="TAJ MAHAL"><city>Agra</city><state>UP</state><desc>Mausoleum.</desc></place>

  <place name="RED FORT"><city>Delhi</city><state>Delhi</state><desc>Fort.</desc></place>

  <place name="GOLDEN
TEMPLE"><city>Amritsar</city><state>Punjab</state><desc>Gurdwara.</desc></place>

</touristData>
```

Xmlfinder.jsp

```jsp
<%@ page import="java.io.File, javax.xml.parsers., org.w3c.dom., java.util.Locale" %>

<html><body>

  <h2>XML Place Finder</h2>

  <% String search = request.getParameter("placeName"); %>

  <form action="xml_finder.jsp" method="get">

    Name: <input type="text" name="placeName" required value="<%= search != null ? search : "" %>">

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

  </form>

  <% if (search != null && !search.isEmpty()) {

    String normSearch = search.trim().toUpperCase(Locale.ROOT);

    boolean found = false;

    try {

      String path = application.getRealPath("tourist_places.xml");

      File xmlFile = new File(path);

      DocumentBuilderFactory factory = DocumentBuilderFactory.newInstance();

      DocumentBuilder builder = factory.newDocumentBuilder();

      Document doc = builder.parse(xmlFile);

      NodeList nList = doc.getElementsByTagName("place");

      for (int i = 0; i < nList.getLength(); i++) {

        Element e = (Element) nList.item(i);

        String placeName = e.getAttribute("name");

        if (placeName.equalsIgnoreCase(normSearch)) {
```

```
        found = true;

        String city = e.getElementsByTagName("city").item(0).getTextContent();

        String state = e.getElementsByTagName("state").item(0).getTextContent();

        String desc = e.getElementsByTagName("desc").item(0).getTextContent();

   %>

        <hr>

        <b>Found: <%= placeName %></b><br>

        City: <%= city %><br>

        State: <%= state %><br>

        Desc: <%= desc %><br>

   <%

        break;

      }

    }

    if (!found) { out.println("<p style='color:red;'>Place not found.</p>"); }

  } catch (Exception e) {

    out.println("<p style='color:red;'>ERROR: XML file missing or malformed.</p>");

  }

 } %>

</body></html>
```

11th :Online supermarket

```
<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Online Supermarket</title>

<script>

function
show(id){document.querySelectorAll(".page").forEach(p=>p.style.display="none");document.getElementById(id).style.display="block";}

function validateForm(f){for(let e of f.querySelectorAll("input[required]"))if(!e.value)return alert("Please fill all fields"),false;alert("Form submitted!");show('confirm');return false;}

</script>
```

```html
<style>body{font-family:Arial;text-align:center}form{margin:20px
auto;width:250px}input,select{width:100%;margin:5px 0}</style>

</head>

<body onload="show('home')">

<h2>Online Supermarket</h2>

<nav><button onclick="show('home')">Home</button><button
onclick="show('reg')">Register</button><button onclick="show('login')">Login</button><button
onclick="show('groceries')">Groceries</button><button onclick="show('pay')">Payment</button></nav>

<div id="home" class="page"><h3>Welcome to FreshMart!</h3><p>Your one-stop online grocery
store.</p></div>

<div id="reg" class="page" style="display:none">

<h3>Registration</h3>

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

<input placeholder="Name" required><input placeholder="Email" required><input type="password"
placeholder="Password" required><button>Register</button>

</form></div>

<div id="login" class="page" style="display:none">

<h3>User Login</h3>

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

<input placeholder="Email" required><input type="password" placeholder="Password"
required><button>Login</button>

</form></div>

<div id="groceries" class="page" style="display:none">

<h3>Groceries List</h3>

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

<select required><option value="">Select
Item</option><option>Rice</option><option>Milk</option><option>Fruits</option></select>

<input type="number" placeholder="Quantity" required><button>Order</button>

</form></div>

<div id="pay" class="page" style="display:none">

<h3>Online Payment</h3>

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

<input placeholder="Card Number" required><input placeholder="Expiry Date" required><input
placeholder="CVV" required><button>Pay</button>

</form></div>
```

```html
<div id="confirm" class="page" style="display:none"><h3>Order Confirmed!</h3><p>Thank you for shopping with us.</p></div>
</body>
</html>
```

12.Payroll

Db

```sql
CREATE DATABASE payroll_db;

USE payroll_db;

CREATE TABLE employees (

    employee_id VARCHAR(10) PRIMARY KEY,

    employee_name VARCHAR(100),

    designation VARCHAR(50),

    basic_salary DECIMAL(10, 2),

    hra DECIMAL(10, 2),

    total_salary DECIMAL(10, 2)

);

INSERT INTO employees VALUES

('E101', 'Anand Varma', 'Engineer', 50000.00, 10000.00, 60000.00),

('E102', 'Priya Singh', 'Manager', 75000.00, 15000.00, 90000.00);
```

Payroll.jsp

```jsp
<%@ page import="java.sql.*" %>

<html><body>

  <h2>Employee Payroll</h2>

  <table border="1">

    <tr>

      <th>ID</th><th>Name</th><th>Designation</th><th>Basic</th><th>Total</th>

    </tr>

    <%

    final String DRIVER = "com.mysql.cj.jdbc.Driver";

    final String URL = "jdbc:mysql://localhost:3306/payroll_db";

    final String USER = "user";

    final String PASS = "password";

    Connection con = null; Statement stmt = null; ResultSet rs = null;
```

```
    try {

        Class.forName(DRIVER);

        con = DriverManager.getConnection(URL, USER, PASS);

        String sql = "SELECT employee_id, employee_name, designation, basic_salary, total_salary FROM
employees";

        stmt = con.createStatement();

        rs = stmt.executeQuery(sql);

        while (rs.next()) {

    %>

    <tr>

        <td><%= rs.getString("employee_id") %></td>

        <td><%= rs.getString("employee_name") %></td>

        <td><%= rs.getString("designation") %></td>

        <td><%= rs.getDouble("basic_salary") %></td>

        <td><%= rs.getDouble("total_salary") %></td>

    </tr>

    <%

        }

    } catch (Exception e) {

        out.println("<tr><td colspan='5' style='color:red;'>DB ERROR: Check connection.</td></tr>");

    } finally {

        try { if (con != null) con.close(); } catch (Exception e) {}

    }

    %>

  </table></body></html>
```

13) Organic/agri

```
<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Organic Stores Info</title>

<script>

const xmlData=` <stores>
```

```
<store><name>Green Farm</name><address>Main
Street</address><city>Hometown</city><products>Vegetables, Fruits</products></store>

<store><name>Organic Hub</name><address>Market
Road</address><city>Hometown</city><products>Grains, Dairy</products></store>

<store><name>Nature's Basket</name><address>Central
Plaza</address><city>Hometown</city><products>Fruits, Nuts</products></store>

<store><name>Fresh Pick</name><address>River
Lane</address><city>Hometown</city><products>Vegetables, Herbs</products></store>

<store><name>Agro Mart</name><address>Hill Street</address><city>Hometown</city><products>Organic
Seeds, Oils</products></store>

</stores>`;
function showDetails(){
 const s=document.getElementById('sname').value.trim().toLowerCase();
 const xml=new DOMParser().parseFromString(xmlData,"text/xml");
 const stores=xml.getElementsByTagName("store");
 for(let st of stores){
  if(st.getElementsByTagName("name")[0].textContent.toLowerCase()===s){
   document.getElementById("result").innerHTML=
    `<b>${st.getElementsByTagName("name")[0].textContent}</b><br>
    Address: ${st.getElementsByTagName("address")[0].textContent}<br>
    City: ${st.getElementsByTagName("city")[0].textContent}<br>
    Products: ${st.getElementsByTagName("products")[0].textContent}`;
   return;
  }
 }
 document.getElementById("result").innerHTML="";
}
</script>
</head>
<body>
<h3>Search Organic Store</h3>
<input id="sname" placeholder="Enter store name">
<button onclick="showDetails()">Search</button>
<div id="result"></div>
</body>
```

```
</html>
```

14. Taxi

Db

```sql
CREATE DATABASE taxi_db;

USE taxi_db;

CREATE TABLE taxis (

  vehicle_no VARCHAR(15) PRIMARY KEY,

  driver_name VARCHAR(100),

  availability BOOLEAN,

  distance_km DECIMAL(5, 2),

  fare_rate_per_km DECIMAL(5, 2)

);

INSERT INTO taxis VALUES

('TN01AB1234', 'Vimal Kumar', TRUE, 2.50, 15.00),

('TN02CD5678', 'Suresh Babu', FALSE, 0.00, 15.00),

('TN03EF9012', 'Arjun Singh', TRUE, 6.80, 18.00);
```

Taxi.jsp

```jsp
<%@ page import="java.sql.*" %>

<html><body>

  <h2>Live Taxi Status</h2>

  <table border="1">

    <tr>

      <th>Status</th>

      <th>Vehicle No.</th>

      <th>Driver</th>

      <th>Distance (KM)</th>

      <th>Fare Rate (₹/KM)</th>

      <th>Est. Fare (10 KM)</th>

    </tr>

    <%

    final String DRIVER = "com.mysql.cj.jdbc.Driver";

    final String URL = "jdbc:mysql://localhost:3306/taxi_db";

    final String USER = "user";    // <--- CHANGE THIS
```

```jsp
      final String PASS = "password"; // <--- CHANGE THIS

      Connection con = null; Statement stmt = null; ResultSet rs = null;

      try {

        Class.forName(DRIVER);

        con = DriverManager.getConnection(URL, USER, PASS);

        String sql = "SELECT * FROM taxis ORDER BY availability DESC";

        stmt = con.createStatement();

        rs = stmt.executeQuery(sql);

        while (rs.next()) {

          boolean available = rs.getBoolean("availability");

          double fareRate = rs.getDouble("fare_rate_per_km");


          String statusText = available ? "Available" : "On-Trip";

          double estimatedFare = fareRate * 10;

    %>

    <tr>

      <td style="color: <%= available ? "green" : "red" %>;"><%= statusText %></td>

      <td><%= rs.getString("vehicle_no") %></td>

      <td><%= rs.getString("driver_name") %></td>

      <td><%= rs.getDouble("distance_km") %></td>

      <td><%= fareRate %></td>

      <td>₹ <%= String.format("%.2f", estimatedFare) %></td>

    </tr>

    <%

        } // End loop

      } catch (Exception e) {

        out.println("<tr><td colspan='6' style='color:red;'>DB ERROR: Check connection.</td></tr>");

      } finally {

        try { if (con != null) con.close(); } catch (Exception e) {}

      }

    %>

  </table>

</body></html>
```

15.book details in library

```
<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>E-Book Library</title>

<script>

const xmlData=`<library>

<book><title>Learn JavaScript</title><author>John
Doe</author><genre>Programming</genre><year>2021</year></book>

<book><title>HTML Basics</title><author>Jane Smith</author><genre>Web
Design</genre><year>2020</year></book>

<book><title>CSS Mastery</title><author>Robert Brown</author><genre>Web
Design</genre><year>2019</year></book>

<book><title>Python Essentials</title><author>Emily
Clark</author><genre>Programming</genre><year>2022</year></book>

<book><title>Data Science 101</title><author>Michael Lee</author><genre>Data
Science</genre><year>2023</year></book>

</library>`;

function showDetails(){
 const name=document.getElementById('bname').value.trim().toLowerCase();
 const xml=new DOMParser().parseFromString(xmlData,"text/xml");
 const books=xml.getElementsByTagName("book");
 for(let b of books){
  if(b.getElementsByTagName("title")[0].textContent.toLowerCase()===name){
   document.getElementById("result").innerHTML=
    `<b>${b.getElementsByTagName("title")[0].textContent}</b><br>
    Author: ${b.getElementsByTagName("author")[0].textContent}<br>
    Genre: ${b.getElementsByTagName("genre")[0].textContent}<br>
    Year: ${b.getElementsByTagName("year")[0].textContent}`;
   return;
  }
 }
 document.getElementById("result").innerHTML="";
}
```

```html
</script>
</head>
<body>
<h3>Search E-Book</h3>
<input id="bname" placeholder="Enter book title">
<button onclick="showDetails()">Search</button>
<div id="result"></div>
</body>
</html>
```