**Objective:-** To Learn the Use ServletContext for controller (JDBC-Servlet)

**Code :-**

**ConServlet.java**

package Practicle\_4;  
  
import java.io.IOException;  
import javax.servlet.ServletException;  
import javax.servlet.ServletContext;  
import javax.servlet.http.HttpServlet;  
import javax.servlet.http.HttpServletRequest;  
import javax.servlet.http.HttpServletResponse;  
  
public class ConServlet extends HttpServlet {  
 private static final long *serialVersionUID* = 1L;  
  
 @Override  
 protected void doPost(HttpServletRequest request, HttpServletResponse response)  
 throws ServletException, IOException {  
  
 // Get form data  
 String name = request.getParameter("name");  
 String email = request.getParameter("email");  
 String phone = request.getParameter("phone");  
 String message = request.getParameter("message");  
  
 // Use ServletContext for controller  
 ServletContext context = getServletContext();  
 context.log("Received data: " + name + ", " + email + ", " + phone + ", " + message);  
 // Insert data into DB  
 DBTransaction.*InsertData*(name, email, phone, message);  
  
 // Redirect to success page  
 response.sendRedirect("success.jsp");  
 }  
}

**DBTransaction.java**

package Practicle\_4;  
  
import java.sql.Connection;  
import java.sql.DriverManager;  
import java.sql.PreparedStatement;  
import java.sql.SQLException;  
public class DBTransaction {  
 private static final String *URL* = "jdbc:mysql://localhost:3306/ajt\_practicle";  
 private static final String *USER* = "root";  
 private static final String *PASSWORD* = "";  
  
 // Method to get database connection  
 public static Connection getConnection() throws SQLException, ClassNotFoundException {  
 Class.*forName*("com.mysql.jdbc.Driver"); // Load MySQL driver  
 return DriverManager.*getConnection*(*URL*, *USER*, *PASSWORD*);  
 }  
  
 // Method to insert data into the database  
 public static void InsertData(String name, String email, String phone, String message) {  
 String query = "INSERT INTO user (name, email, phone, message) VALUES (?, ?, ?, ?)";  
  
 try (Connection conn = *getConnection*();  
 PreparedStatement stmt = conn.prepareStatement(query)) {  
  
 stmt.setString(1, name);  
 stmt.setString(2, email);  
 stmt.setString(3, phone);  
 stmt.setString(4, message);  
  
 int rows = stmt.executeUpdate();  
 System.*out*.println(rows + " row(s) inserted.");  
  
 } catch (SQLException | ClassNotFoundException e) {  
 e.printStackTrace();  
 }  
 }  
}

**CV.jsp**

<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>  
<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <title>Submit CV</title>  
 <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;600&display=swap" rel="stylesheet">  
 <style>  
 \* {  
 box-sizing: border-box;  
 margin: 0;  
 padding: 0;  
 }  
 body {  
 font-family: 'Poppins', sans-serif;  
 background: linear-gradient(135deg, #74EBD5, #ACB6E5);  
 color: #333;  
 min-height: 100vh;  
 display: flex;  
 justify-content: center;  
 align-items: center;  
 padding: 20px;  
 }  
 .container {  
 background: #fff;  
 box-shadow: 0 10px 20px rgba(0, 0, 0, 0.1);  
 border-radius: 12px;  
 max-width: 700px;  
 width: 100%;  
 padding: 40px;  
 animation: fadeIn 0.8s ease-in-out;  
 }  
 h2 {  
 text-align: center;  
 color: #4CAF50;  
 font-size: 32px;  
 margin-bottom: 20px;  
 }  
 form {  
 display: flex;  
 flex-direction: column;  
 gap: 15px;  
 }  
 label {  
 font-weight: 500;  
 color: #555;  
 }  
 input, textarea {  
 width: 100%;  
 padding: 12px;  
 border: 1px solid #ccc;  
 border-radius: 8px;  
 font-size: 14px;  
 transition: border 0.3s;  
 }  
 input:focus, textarea:focus {  
 border-color: #4CAF50;  
 outline: none;  
 }  
 button {  
 background: #4CAF50;  
 color: #fff;  
 padding: 12px;  
 border: none;  
 border-radius: 8px;  
 font-size: 16px;  
 cursor: pointer;  
 transition: background 0.3s, transform 0.2s;  
 }  
 button:hover {  
 background: #45a049;  
 transform: scale(1.05);  
 }  
 button:active {  
 transform: scale(0.95);  
 }  
 @keyframes fadeIn {  
 from {  
 opacity: 0;  
 transform: translateY(-30px);  
 }  
 to {  
 opacity: 1;  
 transform: translateY(0);  
 }  
 }  
 @media (max-width: 768px) {  
 .container {  
 padding: 20px;  
 }  
 h2 {  
 font-size: 24px;  
 }  
 }  
 </style>  
</head>  
<body>  
  
<div class="container">  
 <h2>Submit Your CV</h2>  
 <form action="ConServlet" method="POST">  
 <label for="name">Name:</label>  
 <input type="text" name="name" id="name" placeholder="Enter your full name" required>  
  
 <label for="email">Email:</label>  
 <input type="email" name="email" id="email" placeholder="Enter your email address" required>  
  
 <label for="phone">Phone:</label>  
 <input type="text" name="phone" id="phone" placeholder="Enter your phone number" required>  
  
 <label for="message">Message:</label>  
 <textarea name="message" id="message" rows="4" placeholder="Write your message here..." required></textarea>  
  
 <button type="submit">Submit CV</button>  
 </form>  
</div>  
  
</body>  
</html>

**success.jsp**

<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>  
<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <title>Success</title>  
 <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;600&display=swap" rel="stylesheet">  
 <style>  
 \* {  
 box-sizing: border-box;  
 margin: 0;  
 padding: 0;  
 }  
 body {  
 font-family: 'Poppins', sans-serif;  
 background: linear-gradient(135deg, #74EBD5, #ACB6E5);  
 color: #333;  
 min-height: 100vh;  
 display: flex;  
 justify-content: center;  
 align-items: center;  
 padding: 20px;  
 }  
 .container {  
 background: #fff;  
 box-shadow: 0 10px 20px rgba(0, 0, 0, 0.1);  
 border-radius: 12px;  
 max-width: 700px;  
 width: 100%;  
 padding: 40px;  
 text-align: center;  
 animation: fadeIn 0.8s ease-in-out;  
 }  
 h1 {  
 color: #4CAF50;  
 font-size: 36px;  
 margin-bottom: 20px;  
 }  
 p {  
 font-size: 18px;  
 color: #555;  
 margin-bottom: 30px;  
 }  
 a {  
 display: inline-block;  
 text-decoration: none;  
 color: #fff;  
 background: #4CAF50;  
 padding: 12px 30px;  
 border-radius: 8px;  
 font-size: 16px;  
 transition: background 0.3s, transform 0.2s;  
 }  
 a:hover {  
 background: #45a049;  
 transform: scale(1.05);  
 }  
 a:active {  
 transform: scale(0.95);  
 }  
 @keyframes fadeIn {  
 from {  
 opacity: 0;  
 transform: translateY(-30px);  
 }  
 to {  
 opacity: 1;  
 transform: translateY(0);  
 }  
 }  
 @media (max-width: 768px) {  
 .container {  
 padding: 20px;  
 }  
 h1 {  
 font-size: 28px;  
 }  
 a {  
 padding: 10px 20px;  
 font-size: 14px;  
 }  
 }  
 </style>  
</head>  
<body>  
  
<div class="container">  
 <h1>Form Submitted Successfully!</h1>  
 <p>Thank you for submitting your CV. We will review it and get back to you soon.</p>  
 <a href="CV.jsp">Go Back to Form</a>  
</div>  
  
</body>  
</html>

**Output:-**





