	Marwadi University
![Marwadi University Logo] NAAC A+	**Faculty of Technology**
	Department of Information and Communication Technology
Subject: Advanced Java (01CT1623)	**Aim:** To Learn the Use ServletContext for controller (JDBC-Servlet)
Experiment No:- 04	**Date:-** **Enrollment No:-** 92200133030

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

Code :-

ConServlet.java

```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

```java
package Practicle_4;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
```

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```java
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

```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 {
```

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```css
    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;
```

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```
            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>
```

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```
        <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;
```

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```
            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>
```
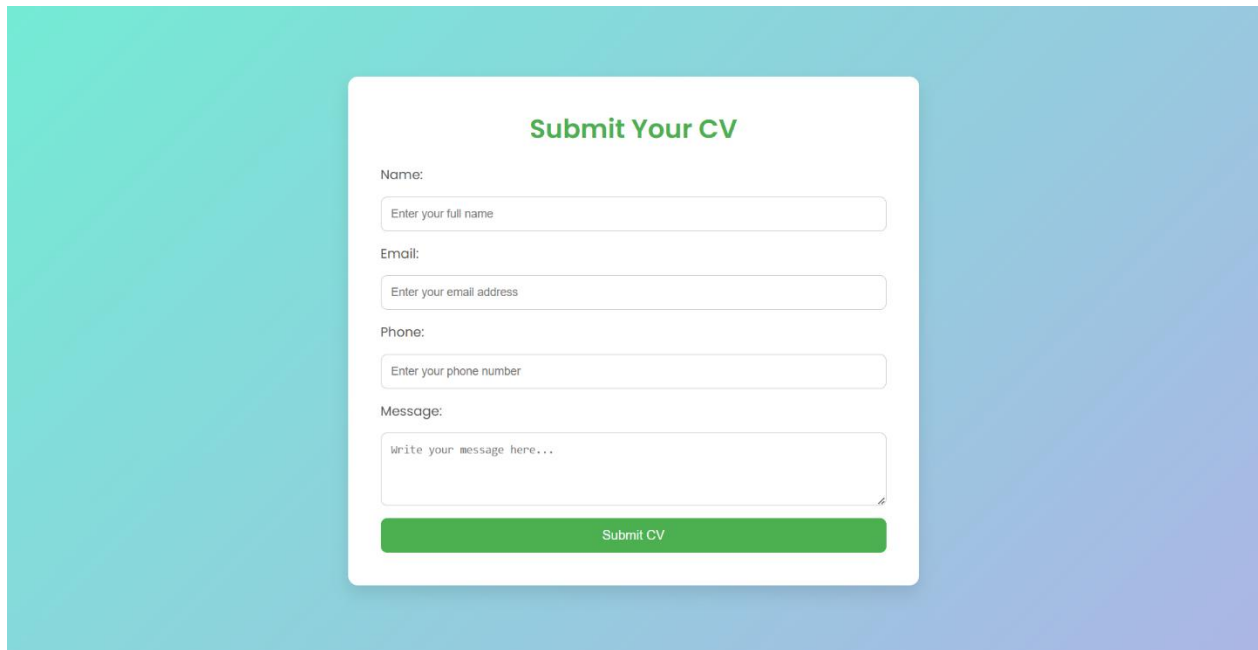
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```
</div>

</body>
</html>
```

Output:-

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