TASK-4

1.Implement a contact form using JSP to collect user information like name, email, and message.

```html
<!DOCTYPE html>
<html>
<head>
    <title>Contact Us</title>
</head>
<body>
    <h1>Contact Us</h1>

    <form action="processForm.jsp" method="post">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required><br><br>

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

        <label for="message">Message:</label><br>
        <textarea id="message" name="message" rows="4" cols="50" required></textarea><br><br>

        <input type="submit" value="Submit">
    </form>
</body>
</html>
```

Jsp file:

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
```

```jsp
<!DOCTYPE html>

<html>

<head>

    <title>Contact Form Submission</title>

</head>

<body>

    <h1>Contact Form Submission</h1>


    <%

        // Retrieve form data

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

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

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


        // Process the data (you can customize this part)

        // For this example, we'll just display the received data

    %>


    <p>Name: <%= name %></p>

    <p>Email: <%= email %></p>

    <p>Message: <%= message %></p>


    <p>Thank you for contacting us!</p>

</body>

</html>
```

3. Store the contact form data in the MySQL database using JDBC for future

reference.

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>
<%@ page import="java.sql.*" %>
<!DOCTYPE html>
<html>
<head>
    <title>Contact Form Submission</title>
</head>
<body>
    <h1>Contact Form Submission</h1>

    <%
        // Database connection details
        String url = "jdbc:mysql://localhost:3306/mydb"; // Replace with your database URL
        String username = "gayathri"; // Replace with your MySQL username
        String password = "gayathri@12"; // Replace with your MySQL password

        // Form data
        String name = request.getParameter("name");
        String email = request.getParameter("email");
        String message = request.getParameter("message");

        try {
            // Create a database connection
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection connection = DriverManager.getConnection(url, username, password);

            // Create and execute SQL INSERT statement
```

```jsp
        String insertQuery = "INSERT INTO contact_entries (name, email, message) VALUES (?, ?, ?)";

        PreparedStatement preparedStatement = connection.prepareStatement(insertQuery);

        preparedStatement.setString(1, name);

        preparedStatement.setString(2, email);

        preparedStatement.setString(3, message);

        preparedStatement.executeUpdate();


        // Close database resources

        preparedStatement.close();

        connection.close();

    } catch (Exception e) {

        e.printStackTrace();

    }

%>


    <p>Name: <%= name %></p>

    <p>Email: <%= email %></p>

    <p>Message: <%= message %></p>


    <p>Thank you for contacting us! Your submission has been recorded.</p>
</body>
</html>
```