Use the following link to download (JDBC jar file):
https://trackmyclass.site/sqlite-jdbc-3.47.0.0.jar

Use the following link to download sample db file:
https://trackmyclass.site/students.db

After downloading the jar file, you need to place it in the `/webapp/WEB-INF/lib/` directory and also reference it in the build path. If you have any questions, it's better to ask 142222104098 aka Naveen Kumar S.

Stud.html

```html
<html>
<head>
  <title>Three Tier Application</title>
  <style type="text/css">
    body {
        color: blue;
        font-family: Courier, monospace;
        text-align: center;
        margin: 0;
        padding: 20px;
    }
    form {
        display: inline-block;
        margin-top: 20px;
    }
    input[type="text"] {
        padding: 5px;
        margin-bottom: 10px;
    }
    input[type="submit"] {
        padding: 5px 10px;
    }
  </style>
</head>
<body>
  <h2>EXAMINATION RESULT</h2>
  <hr />
  <form name="f1" method="GET" action="marklist.jsp">
    <label for="regno">Enter Your Reg.No:</label><br />
    <input type="text" id="regno" name="regno" required /><br /><br />
    <input type="submit" value="SUBMIT" />
  </form>
</body>
</html>
```

Marklist.jsp

```jsp
<%@ page contentType="text/html" language="java" %>
<%@ page import="java.sql.*" %>
<html>
<head>
  <title>Examination Result</title>
  <style type="text/css">
     body { color: blue; font-family: courier; text-align: center; }
     table { margin: 0 auto; border-collapse: collapse; }
     th, td { border: 1px solid blue; padding: 8px; }
  </style>
</head>
<body>
  <h2>EXAMINATION RESULT</h2>
  <hr/>
  <%
     String regNo = request.getParameter("regno");
     String dbPath = "C:/Users/17_karthick_03/Downloads/SEM--5 Automation/students.db"; // Update
this path if necessary
     String studentName = "";
     int[] marks = new int[6];

     Connection conn = null; // Declare connection outside try block
     try {
        // Load the SQLite JDBC driver
        Class.forName("org.sqlite.JDBC");
        conn = DriverManager.getConnection("jdbc:sqlite:" + dbPath);

        // Prepare and execute the SQL statement
        PreparedStatement stmt = conn.prepareStatement("SELECT * FROM students WHERE regNo =
?");
        stmt.setString(1, regNo);
        ResultSet rs = stmt.executeQuery();

        // Process the result set
        if (rs.next()) {
           studentName = rs.getString("name");
           marks[0] = rs.getInt("subject1");
           marks[1] = rs.getInt("subject2");
           marks[2] = rs.getInt("subject3");
           marks[3] = rs.getInt("subject4");
           marks[4] = rs.getInt("subject5");
           marks[5] = rs.getInt("subject6");
        } else {
           out.println("<p>No results found for Registration No: " + regNo + "</p>");
        }
     } catch (ClassNotFoundException e) {
        out.println("<p>Error: SQLite JDBC Driver not found. " + e.getMessage() + "</p>");
     } catch (SQLException e) {
        out.println("<p>SQL Error: " + e.getMessage() + " (Error Code: " + e.getErrorCode() + ")</p>");
     } catch (Exception e) {
```

```jsp
            out.println("<p>Error: " + e.getMessage() + "</p>");
        } finally {
            // Close the connection in the finally block
            try {
                if (conn != null) {
                    conn.close();
                }
            } catch (SQLException e) {
                out.println("<p>Error closing connection: " + e.getMessage() + "</p>");
            }
        }
        // Display the results if student name is found
        if (!studentName.isEmpty()) {
%>
<h3>Results for Registration No: <%= regNo %></h3>
<p>Name: <%= studentName %></p>
<table>
    <tr> <th>SUBJECT</th> <th>Marks</th> </tr>
    <tr> <td>Network Programming and Management</td> <td><%= marks[0] %></td> </tr>
    <tr> <td>Object Oriented Analysis and Design</td> <td><%= marks[1] %></td> </tr>
    <tr> <td>Cryptography and Network Security</td> <td><%= marks[2] %></td> </tr>
    <tr> <td>Embedded Systems</td> <td><%= marks[3] %></td> </tr>
    <tr> <td>Web Technology</td> <td><%= marks[4] %></td> </tr>
    <tr> <td>Software Requirement and Engineering</td> <td><%= marks[5] %></td> </tr>
</table>
<% } %>
<br/>
<a href="stud.html">Back</a>
</body>
</html>
```