1. Index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Student Information</title>
    <style>
        body {
            font-family: 'Segoe UI';
            background: linear-gradient(to right, #74ebd5, #ACB6E5);
            text-align: center;
            padding-top: 100px;
        }

        h1 {
            color: #333;
            font-size: 3em;
        }

        .button {
            background-color: #4CAF50;
            border: none;
            color: white;
            padding: 15px 30px;
            text-align: center;
            font-size: 18px;
            border-radius: 8px;
            cursor: pointer;
            margin-top: 30px;
        }

        .card {
            background: white;
            padding: 30px;
            margin: 0 auto;
            width: 400px;
            border-radius: 15px;

        }
    </style>
</head>
<body>

    <div class="card">
        <h1>Welcome to Student Info System</h1>
        <p>Click the button below to view student information</p>
        <button class="button"
onclick="location.href='student_info.jsp'">View Student Info</button>
    </div>

</body>
</html>
```

2. Student_info.jsp

```jsp
<%@ page import="java.sql.*, db.DBConnection" %>
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Student Info</title>
    <style>
        body {
            font-family: 'Segoe UI';
            background: linear-gradient(to right, #e0eafc, #cfdef3);
            margin: 0;
            padding: 0;
        }

        .container {
            width: 80%;
            margin: 50px auto;
            background-color: white;
```

```
            padding: 30px;
            border-radius:                          th, td {
15px;                                                   border: 1px solid
            box-shadow: 0 8px          #ddd;
16px rgba(0, 0, 0, 0.2);                                padding: 15px;
        }                                               text-align: center;
                                                    }
        h2 {
            text-align: center;                     th {
            color: #333;                                background-color:
            margin-bottom:            #4CAF50;
30px;                                                   color: white;
        }                                           }
                                                    .error {
        table {                                         text-align: center;
            border-collapse:                            color: red;
collapse;                                               font-weight: bold;
            width: 100%;                            }
        }                               </style>
</head>
<body>
    <div class="container">
        <h2>Student Information</h2>
        <%
            Connection conn = null;
            Statement stmt = null;
            ResultSet rs = null;

            try {
                conn = DBConnection.getConnection();
                stmt = conn.createStatement();
                rs = stmt.executeQuery("SELECT * FROM
students_info");
        %>
        <table>
            <tr>
                <th>ID</th>
                <th>Name</th>
                <th>Class</th>
                <th>Division</th>
                <th>City</th>
            </tr>
            <%
                while(rs.next()) {
            %>
            <tr>
                <td><%= rs.getInt("stud_id") %></td>
                <td><%= rs.getString("stud_name") %></td>
                <td><%= rs.getString("class") %></td>
                <td><%= rs.getString("division") %></td>
                <td><%= rs.getString("city") %></td>
            </tr>
            <%
                }
```

```jsp
            %>
        </table>
        <%
            } catch(Exception e) {
                e.getMessage();
            } finally {
                try {
                    if(rs != null) rs.close();
                    if(stmt != null) stmt.close();
                    if(conn != null) conn.close();
                } catch(Exception ex) {
                    out.println("Closing Error: " +
ex.getMessage());
                }
            }
        %>
    </div>
</body>
</html>
```

3. Web.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
         version="3.1">
    <display-name>StudentJSPApp</display-name>
    <welcome-file-list>
        <welcome-file>index.html</welcome-file>
    </welcome-file-list>
</web-app>
```

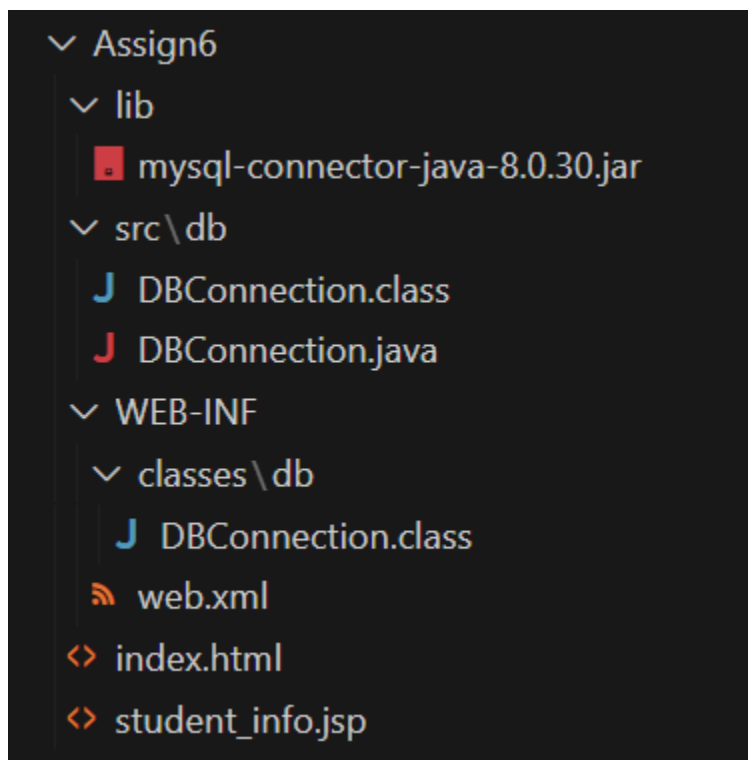## 4. DBConnection.java

```java
package db;

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

public class DBConnection {
    public static Connection getConnection() throws
ClassNotFoundException, SQLException {
        String url = "jdbc:mysql://localhost:3307/student_info";
        String username = "root";
        String password = "Root@123";

        Class.forName("com.mysql.cj.jdbc.Driver");
        return DriverManager.getConnection(url, username, password);
    }
}
```
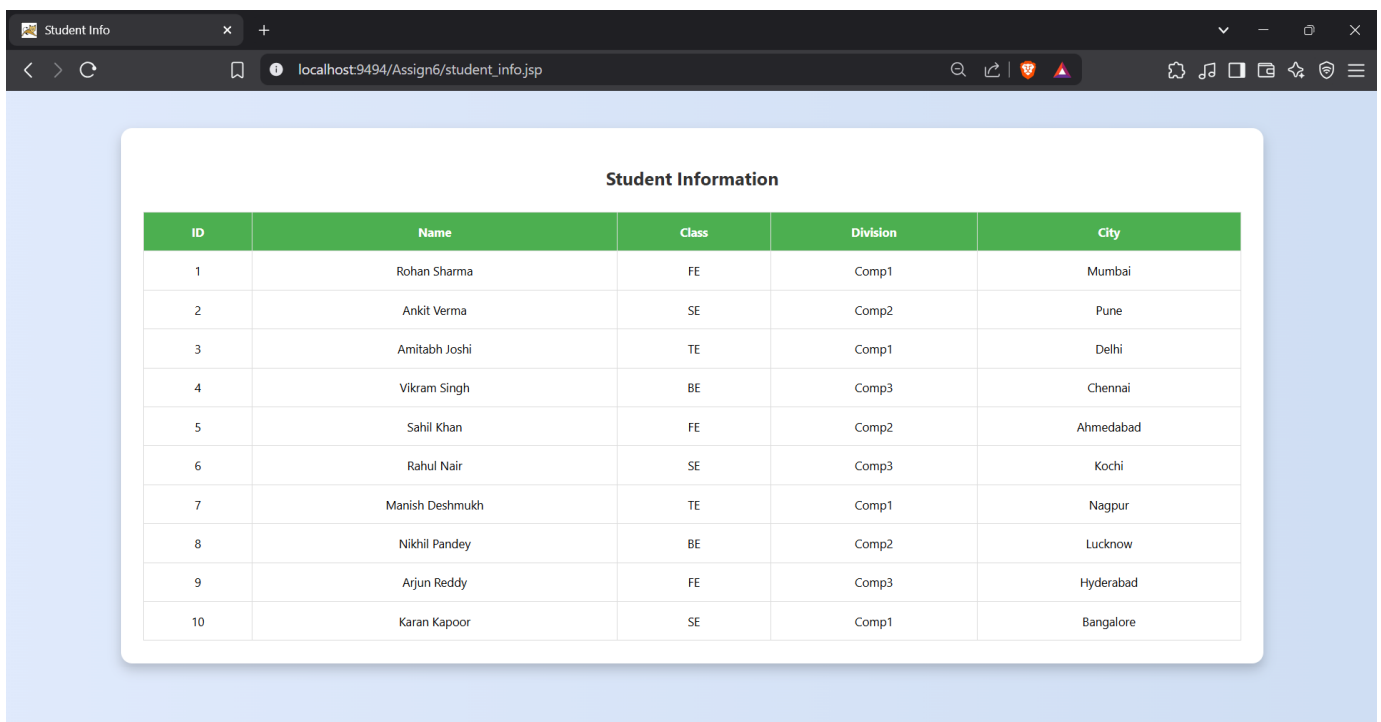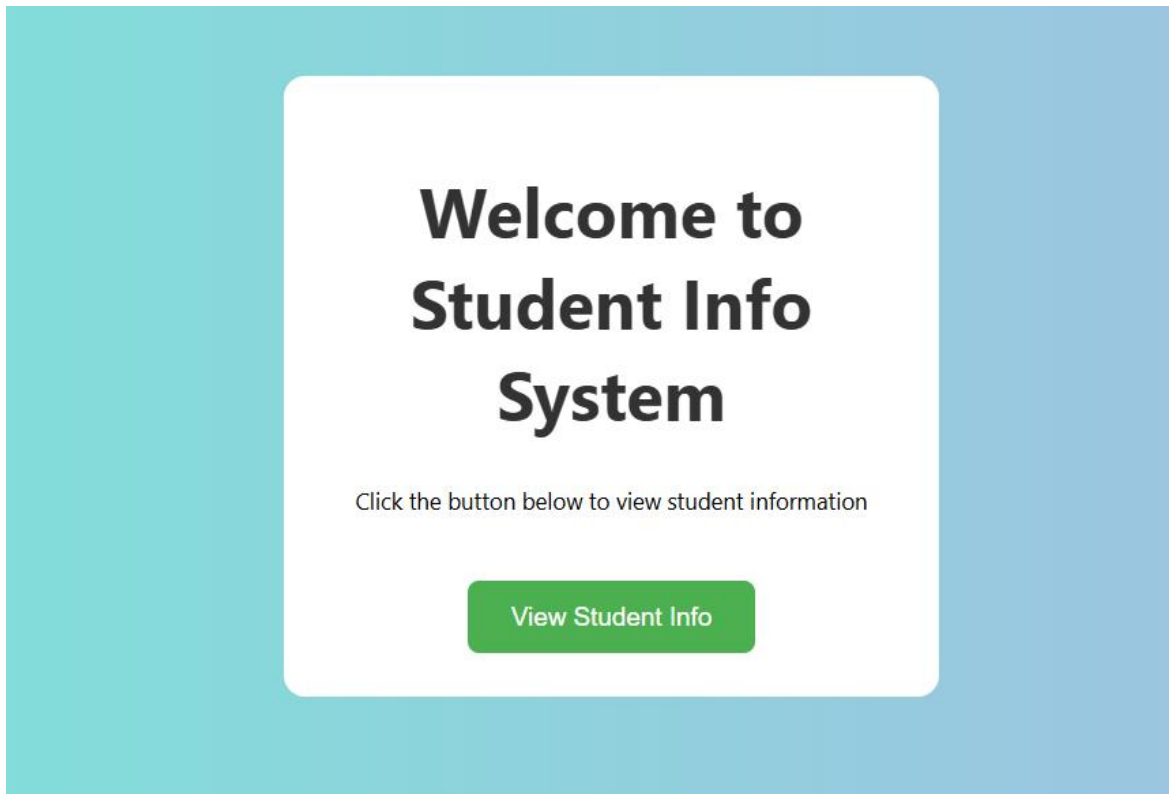
5. Directory Structure

```
∨ Assign6
  ∨ lib
    ▪ mysql-connector-java-8.0.30.jar
  ∨ src\db
    J DBConnection.class
    J DBConnection.java
  ∨ WEB-INF
    ∨ classes\db
      J DBConnection.class
    ⤫ web.xml
  <> index.html
  <> student_info.jsp
```

6. Database Table

```
mysql> use student_info;
Database changed
mysql> select * from Students_info;
+----------+-----------------+--------+----------+-----------+
| stud_id  | stud_name       | class  | division | city      |
+----------+-----------------+--------+----------+-----------+
|        1 | Rohan Sharma    | FE     | Comp1    | Mumbai    |
|        2 | Ankit Verma     | SE     | Comp2    | Pune      |
|        3 | Amitabh Joshi   | TE     | Comp1    | Delhi     |
|        4 | Vikram Singh    | BE     | Comp3    | Chennai   |
|        5 | Sahil Khan      | FE     | Comp2    | Ahmedabad |
|        6 | Rahul Nair      | SE     | Comp3    | Kochi     |
|        7 | Manish Deshmukh | TE     | Comp1    | Nagpur    |
|        8 | Nikhil Pandey   | BE     | Comp2    | Lucknow   |
|        9 | Arjun Reddy     | FE     | Comp3    | Hyderabad |
|       10 | Karan Kapoor    | SE     | Comp1    | Bangalore |
+----------+-----------------+--------+----------+-----------+
10 rows in set (0.00 sec)
```

7. Output

ID	Name	Class	Division	City
1	Rohan Sharma	FE	Comp1	Mumbai
2	Ankit Verma	SE	Comp2	Pune
3	Amitabh Joshi	TE	Comp1	Delhi
4	Vikram Singh	BE	Comp3	Chennai
5	Sahil Khan	FE	Comp2	Ahmedabad
6	Rahul Nair	SE	Comp3	Kochi
7	Manish Deshmukh	TE	Comp1	Nagpur
8	Nikhil Pandey	BE	Comp2	Lucknow
9	Arjun Reddy	FE	Comp3	Hyderabad
10	Karan Kapoor	SE	Comp1	Bangalore