

WEB TECHNOLOGY LABORATORY

ASSIGNMENT 6

Implement the program demonstrating the use of JSP.

e.g., Create a database table students_info (stud_id, stud_name, class, division, city) using database like Oracle/MySQL etc. and display (use SQL select query) the table content using JSP.

CODE

students.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Assignment 6</title>
</head>
<body>
<form method="post">
  <table border='1' style='border-collapse:collapse; color:#213E3B ;text-align:center; border: 1px solid #41AEA9;background-color: #B9FFFC'>
    <tr>
      <td><h3>Student ID Number</h3></td>
      <td><h3>Name of the Student</h3></td>
      <td><h3>Class</h3></td>
      <td><h3>Division</h3></td>
      <td><h3>City</h3></td>
    </tr>
  </table>
<%@ page import = "java.sql.*" %>
<%

try
{
    String dbDriver = "com.mysql.jdbc.Driver";
    String dbURL = "jdbc:mysql:// localhost:3306/";
    String dbName = "record";
    String dbUsername = "root";
    String dbPassword = "Sudarshan";

    Class.forName(dbDriver);
    // Step 1: Allocate a database 'Connection' object
    Connection conn = DriverManager.getConnection(dbURL + dbName,
dbUsername, dbPassword);
    // Step 2: Allocate a 'Statement' object in the Connection
    Statement stmt = conn.createStatement();
    // Step 3: Execute a SQL SELECT query

    String sqlStr = "select * from students_info";
    ResultSet rset = stmt.executeQuery(sqlStr); // Send the query to
the server
```

```

%>

<%
    while (rset.next())
    {
        %>

        <tr>
        <td><%=rset.getString("stud_id") %></td>
        <td><%=rset.getString("stud_name") %></td>
        <td><%=rset.getString("class") %></td>
        <td><%=rset.getString("division") %></td>
        <td><%=rset.getString("city") %></td>
        </tr>

        <%
            }
%>
    </table>
<%
    rset.close();
    stmt.close();
    conn.close();
    }

    catch(Exception e)
    {
        e.printStackTrace();
    }

%>

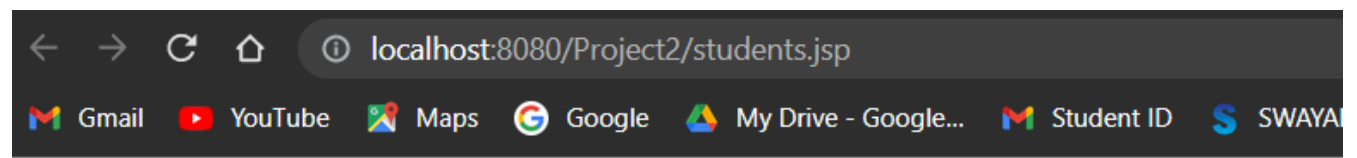
</form>
</body>
</html>

```

OUTPUT / SCREENSHOTS

```
mysql> use record;
Database changed
mysql> select * from students_info;
+-----+-----+-----+-----+-----+
| stud_id | stud_name | class | division | city |
+-----+-----+-----+-----+-----+
| TECOMP246 | SUDARSHAN VETAL | TE | B | PUNE |
| TEAIML529 | ISHA NIMBOLKAR | TE | A | MUMBAI |
| TEIT00227 | SRUSHTI PATIL | TE | B | KOLHAPUR |
| TEENTC521 | VAISHNAVI YADAV | TE | C | BARAMATI |
| TECOMP014 | SURAJ MAPARI | TE | A | AHMEDNAGAR |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/Project2/students.jsp'. Below the address bar, there are several search engine and service icons including Gmail, YouTube, Maps, Google, My Drive - Google..., Student ID, and SWAYAM. The main content of the browser is a table with the following data:

Student ID Number	Name of the Student	Class	Division	City
TECOMP246	SUDARSHAN VETAL	TE	B	PUNE
TEAIML529	ISHA NIMBOLKAR	TE	A	MUMBAI
TEIT00227	SRUSHTI PATIL	TE	B	KOLHAPUR
TEENTC521	VAISHNAVI YADAV	TE	C	BARAMATI
TECOMP014	SURAJ MAPARI	TE	A	AHMEDNAGAR