**WT Assignment 6**

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**Web App using JSP**

**Database and Table creation in MySQL**

**CREATE DATABASE studentdb;**

**USE studentdb;**

**CREATE TABLE student\_info (**

**stud\_id INT PRIMARY KEY AUTO\_INCREMENT,**

**stud\_name VARCHAR(100) NOT NULL,**

**class VARCHAR(10) NOT NULL,**

**division CHAR(1) NOT NULL,**

**city VARCHAR(50) NOT NULL**

**);**

**DESCRIBE student\_info;**

**INSERT INTO student\_info (stud\_name, class, division, city)**

**VALUES**

**('Amit Sharma', '10', 'A', 'Mumbai'),**

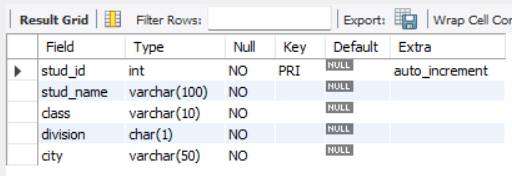
**('Priya Verma', '12', 'B', 'Delhi'),**

**('Rahul Mehta', '11', 'C', 'Bangalore'),**

**('Sneha Kulkarni', '10', 'B', 'Pune'),**

**('Vikas Yadav', '12', 'A', 'Chennai');**

**SELECT \* FROM student\_info;**

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**Dynamic Web Project in Eclipse**

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**JSP Codes**

1. **Index.jsp**

**<%@ page import="java.sql.\*" %>**

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

**<html>**

**<head>**

**<title>Student Information</title>**

**<link rel="stylesheet" href="css/bootstrap.css">**

**<style>**

**body {**

**font-family: Arial, sans-serif;**

**margin: 40px;**

**}**

**table {**

**width: 100%;**

**border-collapse: collapse;**

**margin-top: 20px;**

**}**

**th, td {**

**border: 1px solid #ddd;**

**padding: 12px;**

**text-align: left;**

**}**

**th {**

**background-color: #4CAF50;**

**color: white;**

**}**

**tr:hover {**

**background-color: #f5f5f5;**

**}**

**.container {**

**max-width: 900px;**

**margin: 0 auto;**

**}**

**h2 {**

**text-align: center;**

**}**

**</style>**

**</head>**

**<body>**

**<div class="container">**

**<h2>Student Information</h2>**

**<%**

**Connection conn = null;**

**PreparedStatement stmt = null;**

**ResultSet rs = null;**

**String url = "jdbc:mysql://localhost:3306/studentdb";**

**String user = "root";**

**String password = "root";**

**try {**

**Class.forName("com.mysql.cj.jdbc.Driver");**

**conn = DriverManager.getConnection(url, user, password);**

**String query = "SELECT \* FROM student\_info";**

**stmt = conn.prepareStatement(query);**

**rs = stmt.executeQuery();**

**%>**

**<table>**

**<thead>**

**<tr>**

**<th>Student ID</th>**

**<th>Student Name</th>**

**<th>Class</th>**

**<th>Division</th>**

**<th>City</th>**

**</tr>**

**</thead>**

**<tbody>**

**<%**

**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>**

**<%**

**}**

**%>**

**</tbody>**

**</table>**

**<%**

**} catch (Exception e) {**

**e.printStackTrace();**

**%>**

**<p>Error: <%= e.getMessage() %></p>**

**<%**

**} finally {**

**if (rs != null) rs.close();**

**if (stmt != null) stmt.close();**

**if (conn != null) conn.close();**

**}**

**%>**

**</div>**

**</body>**

**</html>**

1. **Web.xml**

**<?xml version="1.0" encoding="UTF-8"?>**

**<web-app version="4.0" xmlns="http://xmlns.jcp.org/xml/ns/javaee"**

**xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"**

**xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee**

**http://xmlns.jcp.org/xml/ns/javaee/web-app\_4\_0.xsd"**

**id="WebApp\_ID">**

**<display-name>BookWebApp</display-name>**

**<welcome-file-list>**

**<welcome-file>home.html</welcome-file>**

**</welcome-file-list>**

**</web-app>**

**Output:**

**A screen shot of a computer

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