**Objective:-** Search userDOB by passing arguments as date to servlet by submit the search.html page at SearchResult.java servlet that returns the rows of result back to clientResult page. (Servlet).

**Code :-**

package com.aryanlanghanoja.authentication;  
  
import org.jetbrains.annotations.NotNull;  
  
import java.io.IOException;  
import java.io.PrintWriter;  
import java.sql.\*;  
import java.text.ParseException;  
import java.text.SimpleDateFormat;  
import javax.servlet.RequestDispatcher;  
import javax.servlet.ServletException;  
import javax.servlet.annotation.WebServlet;  
import javax.servlet.http.HttpServlet;  
import javax.servlet.http.HttpServletRequest;  
import javax.servlet.http.HttpServletResponse;  
  
class MyConnection {  
  
 public static MyConnection *connectionobj*;  
 Connection connection;  
  
 MyConnection() {  
  
 }  
  
 public static MyConnection getInstante() {  
 if(*connectionobj* == null) {  
 *connectionobj* = new MyConnection();  
 }  
  
 return *connectionobj*;  
 }  
  
 public void createConnection() {  
 try {  
 Class.*forName*("com.mysql.jdbc.Driver");  
 connection = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/ajt\_practicle" , "root" , "");  
 } catch (ClassNotFoundException | SQLException e) {  
 e.printStackTrace();  
 }  
 }  
  
 public String Validate\_User (String DOB , @NotNull HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {  
 createConnection();  
 String result = "No User Found" ;  
 try {  
 SimpleDateFormat dateFormat = new SimpleDateFormat("yyyy-MM-dd");  
 java.util.Date utilDate = dateFormat.parse(DOB); // Parse as java.util.Date  
 java.sql.Date sqlDate = new java.sql.Date(utilDate.getTime());  
 Statement statement = connection.createStatement();  
 ResultSet resultSet = statement.executeQuery("SELECT \* FROM User\_Authentication WHERE DOB = '" + sqlDate + "'");  
  
 if (resultSet.next()) {  
  
 if(result.equals("No User Found")) {  
 result = "First Name :- " + resultSet.getString("First\_Name") + "\nSurname :- " + resultSet.getString("Surname") + "\nUser Name :- " + resultSet.getString("User\_Name") + "\n";  
 }  
  
 else {  
 result += "First Name :- " + resultSet.getString("First\_Name") + "\nSurname :- " + resultSet.getString("Surname") + "\nUser Name :- " + resultSet.getString("User\_Name") + "\n";  
 }  
  
 }  
  
 statement.close();  
 connection.close();  
  
 } catch (SQLException | ParseException e) {  
 throw new RuntimeException(e);  
 }  
  
 return result;  
 }  
}  
  
@WebServlet(urlPatterns = "/Validate\_DOB")  
public class DOBAuthentication extends HttpServlet {  
 MyConnection connectionobj = new MyConnection();  
  
 @Override  
 protected void doGet(@NotNull HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {  
 processRequest(req, resp);  
 }  
  
 @Override  
 protected void doPost(@NotNull HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {  
 processRequest(req, resp);  
 }  
  
 private void processRequest(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {  
 String dobString = req.getParameter("dob");  
 String result = connectionobj.Validate\_User(dobString, req, resp);  
  
 resp.setContentType("text/html");  
 PrintWriter out = resp.getWriter();  
  
 out.println("<!DOCTYPE html>");  
 out.println("<html lang='en'>");  
 out.println("<head>");  
 out.println("<meta charset='UTF-8'>");  
 out.println("<meta name='viewport' content='width=device-width, initial-scale=1.0'>");  
 out.println("<title>DOB Validator</title>");  
 out.println("<style>");  
 out.println("body { font-family: Arial, sans-serif; background: linear-gradient(135deg, #667eea, #764ba2); height: 100vh; display: flex; justify-content: center; align-items: center; margin: 0; }");  
 out.println(".container { background: white; padding: 30px; border-radius: 12px; box-shadow: 0 4px 15px rgba(0, 0, 0, 0.2); text-align: center; width: 350px; }");  
 out.println("h2 { color: #333; margin-bottom: 20px; }");  
 out.println("input { padding: 12px; margin: 15px 0; border: 1px solid #ccc; border-radius: 6px; width: calc(100% - 24px); font-size: 16px; outline: none; transition: border 0.3s; }");  
 out.println("input:focus { border-color: #667eea; }");  
 out.println("button { padding: 12px; border: none; background: #667eea; color: white; border-radius: 6px; cursor: pointer; width: 100%; font-size: 16px; transition: background 0.3s, transform 0.2s; }");  
 out.println("button:hover { background: #5567c3; transform: scale(1.05); }");  
 out.println(".result { margin-top: 20px; padding: 10px; background: #f9f9f9; border-radius: 6px; font-size: 16px; }");  
 out.println("</style>");  
 out.println("</head>");  
 out.println("<body>");  
 out.println("<div class='container'>");  
 out.println("<h1>Client Result</h1>");  
 out.println("<h2>Enter Your Date of Birth</h2>");  
 out.println("<form action='Validate\_DOB' method='post'>");  
 out.println("<input type='date' name='dob' required>");  
 out.println("<button type='submit' name='Validate'>Submit</button>");  
 out.println("</form>");  
  
 // \*\*Result displayed here below the form\*\*  
 out.println("<div class='result'>");  
 if (result.equals("No User Found")) {  
 out.println("<p style='color: red; font-weight: bold;'>User Not Found</p>");  
 } else {  
 out.println("<pre style='text-align:left;'>" + result + "</pre>");  
 }  
 out.println("</div>");  
  
 out.println("</div>");  
 out.println("</body>");  
 out.println("</html>");  
 }  
}

**DOB.html**

<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1.0">  
 <title>DOB Validator</title>  
 <style>  
 body {  
 font-family: Arial, sans-serif;  
 background: linear-gradient(135deg, #667eea, #764ba2);  
 height: 100vh;  
 display: flex;  
 justify-content: center;  
 align-items: center;  
 margin: 0;  
 }  
 .container {  
 background: white;  
 padding: 30px;  
 border-radius: 12px;  
 box-shadow: 0 4px 15px rgba(0, 0, 0, 0.2);  
 text-align: center;  
 width: 350px;  
 }  
 h2 {  
 color: #333;  
 margin-bottom: 20px;  
 }  
 input {  
 padding: 12px;  
 margin: 15px 0;  
 border: 1px solid #ccc;  
 border-radius: 6px;  
 width: calc(100% - 24px);  
 font-size: 16px;  
 outline: none;  
 transition: border 0.3s;  
 }  
 input:focus {  
 border-color: #667eea;  
 }  
 button {  
 padding: 12px;  
 border: none;  
 background: #667eea;  
 color: white;  
 border-radius: 6px;  
 cursor: pointer;  
 width: 100%;  
 font-size: 16px;  
 transition: background 0.3s, transform 0.2s;  
 }  
 button:hover {  
 background: #5567c3;  
 transform: scale(1.05);  
 }  
 </style>  
</head>  
<body>  
<div class="container">  
 <h1>Client Result</h1>  
 <h2>Enter Your Date of Birth</h2>  
 <form action="Validate\_DOB" method="post">  
 <input type="date" name="dob" required>  
 <button type="submit" name="Validate">Submit</button>  
 </form>  
</div>  
</body>  
</html>

**Output:-**

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